CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Jan. 16	Traverse City, Mich.	Jan. 12
Jan. 17	Chillicothe, Tex.	Jan. 12
Jan. 20	Duluth, Minn.	Jan. 5
Jan. 23	Madison, S. D.	Dec. 29
Jan. 24	Lake Wilson, Minn. Adv. Jan. 5 and 12.	Jan. 12
Jan. 30	Hammond, Ind. Adv. Jan. 5 and 12.	Jan. 5
Jan. 30	Indianola, Ia. Adv. Jan. 5 and 12.	Jan. 5
Jan. 31	Atlanta, Ga. Adv. Dec. 29 to Jan. 12.	Dec. 29
Feb. 4	Jamestown N. Y. Adv. Jan. 12.	Jan. 12
Feb. 6	Scappoose, Ore.	Jan. 5

SEWERS

Jan. 17	Chillicothe, Tex.	Jan. 12
Jan. 17	River Rouge, Mich.	Jan. 12
Jan. 18	Brooklyn, N. Y.	Jan. 12
Jan. 18	New York, N. Y.	Jan. 12
Jan. 18	Portland, Ore.	Jan. 12
Jan. 23	Madison, S. D.	Dec. 29
Jan. 24	Kearny, N. J.	Jan. 5
Jan. 24	Warren, O.	Jan. 12
Jan. 26	Ridgefield, N. J. Adv. Jan. 12.	Jan. 12
Jan. 27	Milwaukee, Wis. Adv. Jan. 5 and 12.	Jan. 5
Feb. 3	Milwaukee, Wis.	Jan. 12
Feb. 6	Rome, N. Y.	Jan. 5
Feb. 6	Northville, Mich.	Jan. 12
Feb. 7	Springwells, Mich. Adv. Jan. 12.	Jan. 12

BRIDGES

Jan. 16	Royersford, Pa. Adv. Dec. 29 to Jan. 12.	Dec. 29
Jan. 20	Streator, Ill. Adv. Jan. 5 and 12.	Jan. 5
Jan. 20	Clearwater, Fla.	Jan. 12
Feb. 1	Sea Bright, N. J. Adv. Jan. 5 and 12.	Jan. 12
Feb. 1	Avon, N. J. Adv. Jan. 5 and 12.	Jan. 12
Feb. 2	Prescott, Wis.	Jan. 12
Feb. 7	Boonville, Mo. Adv. Jan. 12.	Jan. 12
Feb. 18	Missouri	Jan. 12
Oct. 31	Sydney, Australia Adv. Jan. 12.	Jan. 12

EXCAVATION AND DREDGING

Jan. 20	Kansas, Ill.	Jan. 12
Jan. 27	Chillicothe, Mo.	Jan. 12
Feb. 7	Woonsocket, S. D.	Jan. 12

STREETS AND ROADS

Jan. 16	California	Dec. 29
Jan. 16	Cairo, Ill.	Jan. 5
Jan. 16	Lake City, Fla.	Jan. 5
Jan. 16	Wynnewood, Okla.	Jan. 5
Jan. 16	Anderson, Ind.	Jan. 12
Jan. 17	Duluth, Minn.	Jan. 12
Jan. 17	Akron, O.	Jan. 5
Jan. 18	Brooklyn, N. Y.	Jan. 12
Jan. 19	Salt Lake City Utah	Jan. 12
Jan. 19	Clinton, Ia.	Jan. 5
Jan. 20	Beaufort, S. C.	Jan. 5
Jan. 20	Dade City, Fla.	Jan. 12
Jan. 20	Algona, Ia.	Jan. 12
Jan. 21	Ohio	Jan. 12
Jan. 22	Dallas, Tex.	Jan. 5
Jan. 23	California	Jan. 5
Jan. 24	West Virginia	Jan. 5
Jan. 24	Austin, Minn.	Jan. 12
Jan. 24	Oroville, Cal.	Jan. 12
Jan. 24	Ohio	Jan. 12
Jan. 24	Newman, Cal.	Jan. 12
Jan. 26	Indiana Adv. Jan. 12.	Jan. 12
Jan. 27	Ohio	Jan. 12
Jan. 30	Winner, S. D.	Jan. 12
Jan. 30	California	Jan. 12
Jan. 31	Lake Wales, Fla. Adv. Dec. 22 to Jan. 12.	Dec. 22
Jan. 31	Ohio	Jan. 12
Feb. 1	East St. Louis, Ill.	Jan. 5
Feb. 1	Belvidere, N. J. Adv. Jan. 12.	Jan. 12
Feb. 6	Bath, N. C. Adv. Jan. 12.	Jan. 12
Feb. 7	Pikeville Ky.	Jan. 5
Feb. 8	Sturgis, Mich. Adv. Jan. 12.	Jan. 12
Feb. 14	Oswego, Kan.	Jan. 12
Mar. 1	Duluth, Minn.	Jan. 5

INDUSTRIAL WORKS

Jan. 15	Cleveland, O.	Jan. 12
Jan. 15	St. Louis, Mo.	Jan. 12
Jan. 19	Fargo, N. D.	Dec. 22

BUILDINGS

Jan. 15	Cleveland, O.	Jan. 12
Jan. 15	Butler, Ind.	Jan. 12
Jan. 15	Muncie, Ind.	Jan. 12
Jan. 17	Newcastle, Ind.	Dec. 22
Jan. 17	Institute (Sturgeon Bay P. O.), Wis.	Dec. 22
Jan. 18	Grand Rapids, Mich.	Dec. 22
Jan. 18	Union, Mo.	Jan. 12
Jan. 21	Bozeman, Mont.	Jan. 12
Jan. 21	Missoula, Mont.	Jan. 12
Jan. 23	Ansonia, Conn.	Jan. 5
Jan. 23	Shorewood (Milwaukee P.O.), Wis.	Jan. 12
Jan. 24	Grand Rapids, Mich.	Dec. 22
Jan. 24	Madison, Wis.	Dec. 22
Jan. 25	Dansville, Mich.	Jan. 12
Jan. 26	St. Louis, Mo.	Jan. 12
Jan. 26	Little Falls, N. J. Adv. Jan. 12.	Jan. 12
Jan. 26	Elizabeth, N. J. Adv. Jan. 12.	Jan. 12
Jan. 26	Olivia, Minn.	Jan. 5
Jan. 26	Beaver Dam, Wis.	Jan. 12
Jan. 25	Campbell, Cal.	Jan. 12
Jan. 30	Grand Rapids, Mich.	Dec. 22
Jan. 30	Columbus, O.	Jan. 5
Feb. 1	Williamsport, Pa.	Sept. 8
Feb. 1	Duluth, Minn.	Oct. 27
Feb. 1	Dallas, Tex.	Jan. 5
Feb. 1	Nashville, Tenn.	Jan. 12
Feb. 2	Battle Ground, Ind.	Dec. 29
Feb. 2	Butler, Ind.	Jan. 12
Feb. 8	Frankfort, Ind.	Jan. 12
Feb. 18	London, Ont.	Jan. 12

FEDERAL GOVERNMENT WORK

Jan. 16	Ice Making and Refrigerating Plant—New Orleans, La.	Dec. 29
Jan. 17	Sewage Ejectors — Washington, D. C. Adv. Jan. 12.	Jan. 12
Jan. 18	Hospital—Augusta, Ga.	Dec. 29
Jan. 18	Post Exchange and Dispensary San Diego, Cal. Adv. Dec. 29 to Jan. 12.	Dec. 29
Jan. 18	Pier—Puget Sound, Wash.	Dec. 22
Jan. 18	Underground Utilities—Bellevue, D. C.	Jan. 5
Jan. 19	Dredging—Camden, N. J. Adv. Dec. 22 to Jan. 12.	Dec. 22
Jan. 20	Catamarans—Mobile, Ala. Adv. Dec. 22 to Jan. 12.	Dec. 22
Jan. 24	Bridge—California	Jan. 5
Jan. 24	Road—California	Jan. 5
Jan. 30	Dredging — Wilmington, Del. Adv. Jan. 5 and 12.	Jan. 5
Feb. 1	Jetty—Wilmington, Del. Adv. Jan. 5 and 12.	Jan. 5
Feb. 6	Construction and Mechanical Equipment—Oteen, N. C. Adv. Jan. 12.	Jan. 12

MISCELLANEOUS

Jan. 18	Station Finish — New York, N. Y.	Dec. 29
Jan. 18	Baseball Stadium—New York, N. Y. Adv. Jan. 5 and 12.	Jan. 5
Jan. 18	Asphaltic Wearing Surface Sand, etc. — New York, N. Y.	Jan. 12
Jan. 19	Gravel—Rustin, La.	Jan. 12
Jan. 19	Culverts—Clinton, Ia.	Jan. 5
Jan. 23	Generator Units—Woodward, Okla.	Jan. 12
Jan. 25	Electric Wiring, etc. — Binghamton, N. Y. Adv. Jan. 12.	Jan. 12
Jan. 25	Laundry Equipment—Kings Park, N. Y. Adv. Jan. 12.	Jan. 12
Feb. 7	Shafts and Tunnel—Jersey City, N. J. Adv. Dec. 29 to Jan. 12.	Dec. 29

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. C., Hendersonville — Authorized issuance of $450,000 bonds for new waterworks system. C. E. Brooks, comr.

Ill., Girard—Making plans 4 and 6 in. c.i mains, $28,000. Holbrook, Warren & Andrews, Milliken Bldg., Decatur, engrs.

Ill., River Forest (Chicago P. O.)—Making plans 4 and 6 in. c.i. mains, $27,000. R. F. Williams, 177 Galea Ave., engr.

Wis., Sturgeon Bay — Plans extending waterworks system, incl. mains, 200,000 gal. reservoir, etc. $25,000. J. Acker, clk. Engineer not selected.

Minn., Cloquet—Had plans prepared for 2 reservoir covers for waterworks. $10,000. J. Wilson, 1st Natl. Bank Bldg., Duluth, engr.

Minn., Minneapolis—Plans 2 mi. 24 in. mains from Mt. Curve and Humboldt Aves., to Lake Calhoun and Linden Hills Dist., $128,000; brick water tower in northeast section, $37,000. W. N. Elsberg, engr. Work will be done by day labor.

Minn., Morris — Rejected bids opened Dec. 27, for filters, pumping equipment, iron filtration plant, rein.-con. settling basin and aerator. $40,000. Noted Oct. 27.

Kan., Hamilton—Voted bonds for waterworks and electric light system, incl. 11 mi. high voltage and 4 mi. low voltage line, outside substation, etc. F. E. Devlin, Eldorado, engr.

Kan., Parsons—Making plans 6,000,000 gal. filtration system, complete steam power plant and power house. J. Powers, water supt. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., engrs.

Kan., Sabetha — Soon takes bids 3 mi. pipe line and developing springs incl. necessary pumping equipment. Black & Veatch Mutual Bldg., Kansas City, Mo., engrs.

Mo., Odessa — Making plans reservoir, pumping station and main extensions, $80,000. E. E. Harper, 3031 Park Ave., Kansas City, engr.

Ont., Forest—Plans waterworks system, $40,000. Prices wanted on complete equipment. D. R. McCahill, mayor. Engineer not selected.

Ont., Wiarton—Plans improving waterworks pumping plant, incl. installation electrically operated pumps and large gasoline engine, $25,000. Prices wanted on all equipment. J. Symon, Wiarton, engr.

BIDS DESIRED

N. Y., Jamestown—Feb. ', by Bd. Water & Lighting Comrs., c.i. and steel pipe and fittings. L. P. Hapgood, supt.; adv. this issue.

Mich., Traverse City—Jan. 16, by City Clerk, Unit 1, one 1,500 gal. per minute centrifugal pump direct connected to 100 h.p. squirrel cage, 3 phase, 60 cycle, 2,200 volt a.c. motor complete together with controlling equipment, for 60 lb. pressure with suction life of 10 ft.; Unit 2, same as Unit 1, and able to discharge full rated capacity against 60 lb. pressure with suction life of not over 10 ft. and able to discharge 1,500 gal. per minute against a pressure of 100 lb. when Units 1 and 2 are run in series. Fargo Eng. Co., Jackson, engrs.

Minn., Lake Wilson—Jan. 24, by Village Council, waterworks, Contrs. 1 to 6, inclusive, E. G. Minder, Slayton, engr.; adv. this issue.

Tex., Chillicothe—Jan. 17, at office of A. F. Thurman, city secy., Contr. 1, trenching, hauling and laying c.i. pipe, either bell and spigot or universal for distribution system, furnishing all material, excepting c.i. pipe, special fittings, valves and hydrants for same; Contr. 2, furnishing c.i. pipe and special castings f.o.b. cars, Chillicothe; Contr. 3, furnishing hydrants and valves f.o.b. cars, Chillicothe; Contr. 4, pumping equipment f.o.b. cars, Chillicothe; Contr. 5, digging well, hauling and setting machinery complete. C. R. Nichols, 514 Guaranty Bank Bldg., Dallas, engr.

Waterworks (Continued)

BIDS RECEIVED

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., opened bids Dec. 5, 2 sets of power transformers in Massachusetts Ave. pumping station and Lakeview Ave. storehouse, from Bison Electrical Co., 256 Pearl St., $2,250; Volker Bros., Inc., 12 Mohawk St., $2,295; Buffalo Electric Constr. Co., 18 Bway., $2,416. Noted Nov. 24.

Pa., Phila.—For general construction of foundations for Belmont pumping station, from Robbins Contg. Co., 1137 North Front St., $24,309, Mitchell-Howsworth Co., 30th and Lehigh Aves., $25,655, Nelson-Pedley Constr. Co., 1320 Race St., $26,742; piping for (1) Queens Lane, (2) Lardners Point pumping station, from Acme Machine Co., 316 North 17th St., (1) $13,168, (2) $4,800, J. H. Gold, 6074 Girard Ave., (1) $14,480, (2) $6,100, W. K. Mitchell & Co., 2940 Ellsworth St., (1) $11,333, (2) $4,939; connections at Queen Lane and Belmont filters, from A. B. Smith Co., Phila., $6,950; steel connecting flues for economizers, from Phila. Stack & Tank Wks., Phila., $7,386, Phila. Boiler Wks., 1737 Filbert St., $7,485. Noted Dec. 29.

O., Euclid—See "Streets and Roads."

Minn., St. Paul—For 39 ton c.i. water specials, from South Park Fdry. & Machine Co., 209 Essex Bldg., $95 per ton net, truck delivered, St. Paul Fdry. Co., Como Ave. and Mackubin St., $5.25 per cwt., Glamorgan Pipe and Fdry. Co., 543 Rookery Bldg., Chicago, $110.40 per ton f.o.b. Lynchburg, Va., apply to 6-24 in. stands, Amer. Cast Iron Pipe Co., Birmingham, Ala., $0.0475 to $0.0575 per lb. f.o.b. St. Paul; (1) 300 coils ⅝ in., 200 coils ¾ in., 50 coils 1 in., 50 coils 1¼ in. lead pipe, (2) 1,500 lb. lead wool, (3) 55 ton pig lead in 100 lb. pigs, from Natl. Lead Co., 404 Willius St., (1) $5.65 per cwt., (2) $6.99, (3) $5.025; United Lead Co., 102 Fairfield Ave. W., (1) $5.79 per cwt., (2) $6.98 per cwt., (3) $4.98; Illinois Smelting and Refining Co., 410 North Peoria St., Chicago, (1) $6.10 per cwt., (2) $8. Noted Dec. 29.

CONTRACTS AWARDED

N. C., Elizabeth City—See "Sewers."

Wis., Vitoqua—For concrete reservoir and equipment for pumping station, incl. pump and compressor, to Wisconsin Fdry. & Machine Co., 623 East Main St., Madison, $15,450.

O., Shaker Heights—For mains and sewers, 3,225 ft. 6 in. c.i. and 3,400 ft. vitr. pipe, to A. Lanese Co., Columbia Bldg., Cleveland, $16,685.

Minn., St. Paul—For 9,400 ft. galvanized iron pipe and fittings, to Hackett-Gates-Hurty Co., 4th and Rosabel Sts., $1,424. Noted Dec. 22.

Minn., Winona—For 385 ft. 18 in. c.i. mains, 33,651 ft. 8-18 in. vitr. clay pipe and laterals, 107 brick manholes, etc., to Hammen & Co., Mankato, $74,915. Noted Dec. 15.

Okla., Broken Bow—Waterworks system and filtration plant to Ladd Constr. Co., 716 Scarritt Bldg., Kansas City, Mo., $120,000. Noted Dec. 8.

Cal., Fullerton—Rein.-con. reservoir to P. H. Ehlers, 1959 North Raymond Ave., Pasadena, $49,350. Noted Dec. 29.

Sewers

PROPOSED WORK

Conn., Bridgeport—Plans 2,300 ft. of 36-in. sanitary sewers in Mountain Grove St. $45,000. J. A. McElroy, city engr.

Conn., New Britain—To vote on $175,000 bonds, for sewer extensions. J. D. Williams, City Hall, city engr.

N. Y., Troy—Plans sewer in Catherine Ave., 22nd and 23rd Sts. A. E. Roche, city engr.

Ill., Deerfield—Making plans sanitary sewers. $85,000. J. Anderson, Jr., Western Ave., Lake Forest, engr.

Ill., Kankakee—Making plans 1½ mi. rein.-con. storm and sanitary sewers in Soldier Creek Sewer Dist. $35,000. R. D. Gregg, city engr.

Ill., Manteno—Making plans 12, 15 and 24 in. vitr. tile sewers, and 30 x 60 ft. rein.-con. septic tank. $29,000. J. F. Schmeltzer, Manteno, engr.

Ill., Pekin—Making plans 10-14 in. vitr. tile sewers in various streets, incl. Easling Addition. $35,000. B. F. Smith, City Hall, engr.

Wis., Fox Lake—Making plans new sewerage system, incl. disposal plant. Parsons & Orbert, 216 West Water St., Milwaukee, engrs. Noted Dec. 29.

Wis., La Crosse—Making plans and takes bids in March, vitr. storm trunk sewers and laterals in 16th, Johnson, Adams and Hood Sts. $88,000. G. P. Bradish, city engr.

Wis., Milwaukee—Election in spring to vote on $300,000 bonds for sewers in various streets. G. Staal, City Hall, engr.

Ia., Hampton—Plans sewers in various streets. $35,000. Currie Eng. Co., Webster City, engrs.

Tex., Robstown—To vote on $40,000 bonds, sewerage system and disposal plant. Address Mayor.

Tex., Slaton—Attorney Generals Dept., Austin, approved $55,000 bonds to install sewerage system, here. Address Mayor.

Ont., Midland—Having plans prepared extending sewerage system, 6 and 8 in. pipe. Prices wanted on tiling. $30,000. James, Proctor & Redfern, 17 Toronto St., Toronto, engrs.

Ont., Port Dover—Plans extending sewers $25,000. G. Marston, Simcoe, engr.

BIDS DESIRED

N. Y., Brooklyn—Jan. 18, by E. Riegelmann, boro pres., Boro Hall, sewers in Snediker Ave. between Hegeman and Lorraine Aves.

N. Y., New York—Jan. 18, by J. Miller, pres. Manhattan Boro, Municipal Bldg., reconstructing sewer in 14th St. between Ave. C and point about 40 ft. west of Ave. B.

N. J., Ridgefield—Jan. 26, by Mayor and Boro Council, Boro Hall, Edgewater Ave. E., sewers and sewage treatment works. T. F. Bowe, 110 William St., New York, consult. engr.; adv. this issue.

O., Warren—Jan. 24, by E. H. Braunberns, dir. Pub. Serv. 8,800 lin.ft. 72 and 120 in. combined sewer with 415 lin.ft. 36 in. c.i. pipe outfall line complete, etc., beginning at Mahoning River near mouth of Red Run and terminating near intersection of Dana Ave. and Hughes Rd. Former bids rejected. W. S. Harvey, city engr. A. Potter, 50 Church St., New York, consult. engr. Noted Dec. 29.

Mich., Northville—Feb. 6, by T. E. Murdock, village clk., Sects. 1, 2 and 3 sanitary sewer and sewage treatment works. C. W. Hubbell, 2348 Penobscot Bldg., Detroit, consult. engr.; adv. this issue.

Mich., River Rouge—Jan. 17, by G. Jerome, engr., 1331 Majestic Bldg., Detroit, 7,000 ft. 3-6 ft. diam., brick, segment block or rein.-con. sewer from Jefferson to Stoner Aves. $100,000. Noted Dec. 29.

Mich., Springwells—Feb. 7, by B. P. Esper, village clk., Sects. 1 and 2 trunk sanitary sewers and Sects. 4 and 5, Schaefer Rd. Sewer. A. Roth, 2348 Penobscot Bldg., Detroit, engr.; adv. this issue.

Wis., Milwaukee—Feb. 3, by Sewerage Comn., 1,885 ft. 42 in. concrete intercepting sewer in Becher St. from 8th to 1st Aves., 5,400 ft. 36 in. and 608 ft. 20 in. terra cotta pipe in National Ave. from 18th Ave. to city limits. Furnishing 95,000 bbl. portland cement for aeration and settling tanks on Jones Island. T. C. Hatton, City Hall, engr. Noted Dec. 29.

Tex., Chillicothe—Jan. 17, at office of A. F. Thurman, city secy., Contr. 1, disposal plant and completing one tank and effluent line; Contr. 2, vitr. salt glazed sewer pipe or machine made cement concrete pipe f.o.b. cars or yards, Chillicothe; Contr. 3, hauling, trenching and laying vitr. or cement concrete pipe, furnishing all materials, entering into contract, except pipe. C. R. Nichols, 514 Guaranty Bank Bldg., Dallas, engr.

Ore., Portland—Jan. 18, by O. Laurgaard, city engr., sewers in Oregonian Ave., 5,812 lin.ft. 6-24 in. cement or vitr. pipe, 320 lin.ft. 42 x 42 in. rein.-con., 1,268 lin.ft. 42 x 42 in., 1,372 lin.ft. 36 x 36 in. and 1,240 lin.ft. 24 x 30 in. in. monolithic sewer 16,657 cu.yd. earth trenching, etc. $71,826.

BIDS RECEIVED

N. J., Clifton—Passaic Valley Sewerage Comrs., 128 Market St., Newark, opened bids Jan. 3, superstructure for Yantacaw Pumping Station, part of Sect. 25, from J. J. O'Leary Co., Passaic, $22,000; S. Jones Building Co., Inc., New York, $27,920; L. Chevalier, Inc., 383 Madison Ave., New York, $28,625.

N. J., Passaic—Passaic Valley Sewerage Comrs., 128 Market St., opened bids [illegible] 8 connections between local sewer and main intercepting sewer, here, from Arnolt-More, Inc., 45 Clinton St., Newark, $26,500; Culp Co., Inc., 412 East 37th St., Paterson, $30,354; J. Maggi Co., Paterson, $36,755.

O., Euclid—See "Streets and Roads."

Mich., Dearborn—For East Side Storm Sewer from J Porath, 34 McGraw Bldg., Detroit, (concrete or brick), $32,831; R. Mercier, Grand River Ave., Detroit, (brick) $33,095, Lennane Bros., 2631 Woodward Ave., Detroit, $33,606. Noted Dec. 22.

CONTRACTS AWARDED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewers in Grand St. and Metropolitan Ave., to J. Gallow. $3,575 and $8,466 respectively; Wierfield St., to J. V. Timoney, 200 East 201st St., New York, $3,664; Jefferson Ave. and 96th Ave. (Wendom St.), and temporary dry weather sewer in Junction Ave., to H. J. Mullin Contg. Co., Fulton St. and Twombly Pl., Jamaica, $1,498, $1,482 and $10,351 respectively; Cooper Ave., Haydock (20th) and Sanford Sts., to Peace Bros., Inc., 20 Main St., Flushing, $4,864, $1,677 and $2,788 respectively; 163rd St., to Kennedy & Smith, Inc., 93 Amity St., Flushing, $1,646; reconstructing outlet in Far Rockaway Disposal Plant, to F. L. Paino, Woodhaven, $4,450. Noted Dec. 29.

N. Y., New York—H. H. Curran, pres. Manhattan Boro, Municipal Bldg., altering and improving sewer in West 20th St., to J. Burns, 103 East 125th St., $18,355; repairing 15 in. vitr. sewer in East 101st St., to J. V. Timoney Co., 220 East 201st St., $2,425. Noted Dec. 22.

N. Y., New York—H. H. Curran, pres. Manhattan Boro, Municipal Bldg., sewer in 26th St. from bulkhead line of East River to Madison Ave., etc., to P. McGovern, 50 East 42nd St., $580,391. Noted Dec. 22.

N. Y., Painted Post—For 4½ mi. storm and sanitary sewers, to Natl. Constr. Co., Inc., 2218 Chestnut St., Phila., $63,000.

N. Y., Schenectady—Bd. Contract & Supply 11th Ward intercepting sewer, to E. B. Edgar, 115 Mohawk St., $76,194; sewers in Bird Pl., Pious Alley, Frank, Hendricks and Bradley Sts., to O. Russo, 942 Crane St., $2,773.

N. J., Rutherford—Passaic Valley Sewerage Comrs., 128 Market St., Newark, Sect. 25 Rutherford-Union Branch Intercepting Sewer, here, to L. B. Harrison & Co., Island Market, Paterson, and J. T. White Co., 52 Lexington Ave., Passaic, $115,287. Noted Nov. 24.

Md., Baltimore—For sewer Contrs. 48, 185 and 186, to Aiello Constr. Co., Knickerbocker Bldg., $22,648, $25,929 and $18,031 respectively; Contr. 203-06, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $32,166.

N. C., Elizabeth City—Sewerage system and waterworks for State Normal School for Colored, to A. H. Guion, Gastonia, $27,548. Noted Dec. 8 under "Buildings."

O., Warren—E. H. Braunberns, dir. Pub. Serv., laying 3,300 ft. 36 in. segmental block and 8,844 ft. 8-24 in. vitr. sewer in South Pine St. and River Ave. Outlet, to F. George, 1657 Mahoning Ave., Youngstown, $63,734. Noted Nov. 3.

Ind., Brazil—Sewage treatment plant, Imhoff tanks, sprinkling filters sludge beds, etc., to Foulks Constr. Co., 705 Ohio St., Terre Haute, $75,000. Noted Dec. 15.

Ill., Belleville—For 25,000 ft. 12 in. vitr. tile sewers, 740 cu.yd. excav., etc., in 36th and 48th Sts., to Hoeffken Bros., 22 West B St., $28,000. Noted Dec. 15.

Ill., La Salle—For 10-20 in. sewers in La Fayette St. Dist., to C. W. Keys, La Salle, $27,000. Noted Nov. 10.

Ont., Brantford—Will build trunk sewer by day labor. $40,000. G. Wedlake, mayor.

Waste Disposal

PROPOSED WORK

Pa. Canonsburg—Boro. plans garbage disposal plant. H. M. Ray, city engr. Pa. State Engineers at Harrisburg will design.

Bridges

PROPOSED WORK

N. J., Lower Bank — Bd. Freeholders Burlington (Mt. Holly) and Atlantic (Mays Landing) Counties plan rebuilding steel bridge, over Mullica River, here. $75,000. E. H. Willis, Mt. Holly and A. H. Nelson, 636 Guarantee Trust Bldg., Atlantic City, engrs.

Del., Wilmington—Making plans 240 ft. bridge, 60 ft. wide, on Pine St. $400,000. C. Grubb, City Bldg., engr.

Fla., Orlando—Orange Co. (Orlando) and Brevard Co. (Titusville) plan 150 ft. bridge, 20 ft., to have 75 ft. steel span, over St. Johns River near Ft. Christmas. $25,000.

Mich., Ironwood—City, Minneapolis, St. Paul & Saulte Ste. Marie Ry., 5th and Marquette Aves., Minneapolis, and Chicago & North Western Ry., 226 West Jackson Blvd., Chicago, Ill., plan rein.-con. viaduct, main portion, viaduct proper 330 ft. long, 24 ft. roadway, 6 ft. sidewalk, approaches 1,164 ft. long, 24 ft. roadway, 5 main spans, 50 to 75 ft. each, several minor spans. $220,000. E. A. Whitman, ch. engr. of Minneapolis, St. Paul & Saulte Ste. Marie Ry. W. J. Towne, ch. engr. Chicago & North Western Ry.

Ill., Aurora — Bd. Local Impvts. making plans steel and concrete bridge. $150,000. W. E. Deuchler, city engr.

Ill., Chicago—Sanitary Dist. of Chicago, 900 South Michigan Ave., soon takes bids bascule bridge, across drainage canal, on South Cicero Ave. $1,000,000. L. F. King, pres. Strauss Bascule Bridge Co., 225 North Michigan Ave., engrs.

Wis., Fond du Lac—Making plans steel and rein.-con. bridge on West 12th St., rein.-con. approaches and abutments. $55,-000. R. Petters, City Hall, engr.

Wis., Green Bay—Soon to vote on $500,-000 bonds, double lift type steel bridge over Fox River. W. L. Kerr, clk. Engineer not selected.

Wis., Milwaukee—Election in spring to vote on $600,000 bonds for bridge on Cedar St.; $1,000,000 bonds for viaduct on Holton St., $150,000 to be issued the 1st year. G. Staal, City Hall, engr.

Wis., Wauwatosa—Making plans 68 to 70 ft. rein.-con. bridge, 66 ft. wide, on West Main St. $50,000 to $60,000. J. E. Lowther, City Hall, engr.

Tex., Jefferson — Marion Co. making plans 3 rein.-con. and steel bridges, over Black Cypress, Big Cypress and Little Cypress Rivers, on Highway 8. $144,771. T. B. Worden, co. engr.

Ore., Cascade Locks—Bridge of Gods Corp., Chamber of Commerce Bldg., having plans prepared 1,355 ft. concrete inverted arch, stiff suspension type highway bridge to have one 235 ft., one 282 ft. and one 705 ft. spans, over Columbia River at Cascade Rapids, near here, Wasco and Skamania Counties. $500,000. Lewis & Clark Chamber of Commerce Bldg., engrs.

Col., Denver—Plans rein.-con. bridge, over Cherry Creek on York St. $45,000. J. B. Hunter, City Hall, engr.

BIDS DESIRED

N. J., Avon—Feb. 1, by Bd. Freeholders Monmouth Co. (Freehold), Strauss Trunnion Bascule Bridge 43 over Shark River Inlet between here and Belmar. G. D. Cooper, 60 Broad St., Red Bank, co. engr.; adv. this issue.

N. J., Sea Bright—Feb. 1, by Bd. Freeholders Monmouth Co. (Freehold), reconstructing Bridge s-32, over Shrewsbury River, here. G. D. Cooper, 60 Broad St., Red Bank, co. engr; adv. this issue.

N. C., Bath—Feb. 6th, by Beaufort Co. Rd. Comn. (Washington), pivoted steel draw span over Bath Creek, here. H. W. Rankin, Washington, engr.; adv. this issue.

Florida—Jan. 20 by State Rd. Dept., Tallahassee, constructing Seminole Bridge, incl. forty-nine 28 ft. concrete deck girder spans, 20 ft. roadway and on concrete piles; Safety Harbor Bridge, incl. thirty-eight 28 ft. concrete deck spans, 20 ft. roadway, on concrete piles, both in Pinellas Co. C. A. Browne, state highway engr. Noted Dec. 29 under "Clearwater."

Wis., Prescott—Feb. 2, by Prescott Bridge Co. 540 ft. steel bridge over St. Croix River, 3 spans, center span to be movable direct lift. $.25,000. I. F. Shearer, secy. Toltz, King & Day, 1410 Pioneer Bldg., St. Paul, Minn., engrs. Noted Nov. 3.

Kan., Oswego—See "Streets and Roads."

Missouri—Feb. 18, by State Hy. Dept., at div. office Centerville, five 80 ft. pony truss span bridge on road from Ellington northward. State Aid Project 18.47 C, Reynolds Co. $30,671. A. Graham, Jefferson City, state highway engr. Noted Oct. 6.

Mo., Boonville—Feb. 7, by Old Trails Bridge Co., bridge over Missouri River. Harrington, Howard & Ash, Kansas City, consult. engrs.; adv. this issue. Noted Aug. 25.

Australia, Sydney—Oct. 31, by New South Wales Government, superstructure and substructure of cantilever bridge across Sydney Harbor from Dawes Point to Milsons Point. J. Estell, minister of Pub. Wks. & Rys.; adv. this issue.

BIDS RECEIVED

Kentucky—State Hy. Comn., Frankfort, removing old bridge and abutments and constructing temporary bridge, 250 ft. steel span, 20 ft. roadway, over Clover Creek, Sta. 4081 plus 41, in town of Cloverport, Breckenridge Co., from Pan American Bridge Co., New Castle, Ind., $59,008, M. & P. Contract Co., Rockport, Ind., $64,-311, Capitol Constr. Co., 849 Reynolds Ave., Columbus, O., $64,675; 80 ft. steel span, 20 ft. roadway, superstructure only, over East Fork Creek, Sta. 405 plus 65, Boyd Co., from Champion Bridge Co., Wilmington, O., $6,000, Pan American Bridge Co., New Castle, Ind., $6,394. Oregonia Bridge Co., Lebanon, O., $6,560. Noted Dec. 8.

Ia., Boone—Boone Co., low bid on two 200 ft., one 50 ft. and one 70 x 18 ft. through truss, from Des Moines Steel Co., 4th St. south of Tuttle St., Des Moines, $43,700 concrete flooring, $42,770 wood flooring. Noted Dec. 1.

Kan., Sedgwick—Comrs. Sedgwick and Harvey Counties, rein.-con. arch bridge on county line, to have two 125 ft. spans, 20 ft. roadway, from Hyde Bros., Enid, Okla., $35,136; Koss Constr. Co., 2818 5th St., Des Moines, Ia., $39,476; N. E. Marsh & Co., Topeka, $39,499. Noted Dec. 29.

Kan., Topeka—For 110 ft. bridge, 40 ft. wide, on Lake St. one concrete arch, from G. Hillis, Emporia, $38,486; C. L. Dolman, Topeka, $39,960. Noted Dec. 15.

Col., Buttes—State Hy. Dept., Denver, steel truss bridge, concrete abutments, over Fountain River, here, from W. L. Robbins, Box 345, Florence, $52,324; Pueblo Bridge & Constr. Co., Pueblo, $57,117; H. M. Fox, Florence, $58,162. Noted Oct. 6.

CONTRACTS AWARDED

Conn., Waterbury — For 3 span rein.-con. bridge over Naugatuck River on West Main St., 182 ft. long, 64 ft. wide, to C. W. Blakeslee & Sons, 58 Waverly St., New Haven, $150,000. Noted Dec. 1.

Wis., King (Tomahawk P. O.)—Lincoln Co. (Merrill), bridge over Wisconsin River, to Wausau Iron Wks., Wausau, additional concrete in substructure $28, additional concrete in substructure at greater depth $40, reduction of concrete in substructure $12, total, $25,974; fill and guard rail to R. L Jahsman, Tomahawk, $4,600 and $395 respectively.

Wis., Melrose—State Hy. Comn., Madison, and Jackson Co., (Black River Falls), 665 ft. rein.-con. bridge, here, to Worden-Allen Co., Port Washington Rd., Milwaukee, $44,987. Noted Oct. 13.

Ia., Bedford—Auditor Taylor Co., 47 box and circular culverts and extensions, 1 pony and 1 through truss, 2 deck girders, to Grinnell & Knief, Denison, $44,738.

Ia., Charles City—Floyd Co. one 90 ft. and two 85 ft. concrete arch spans, 20 ft. roadway, Floyd Twp., to Waterloo Constr. Co., Waterloo, $38,888; two 80 ft. concrete arch spans, 26 ft. roadway with two 5 ft. walks, to Miller-Fifield Constr. Co., Waterloo, $27,840.

Tex., Denton—Denton Co., 240 ft. steel and concrete bridge over Elm Creek on Denton-Sherman Highway, to Denton Constr. Co., Denton, $21,341. Noted Dec. 15.

Tex., Livingston—Polk Co. rein.-con. and timber pile trestle bridges on Highway 35 to I. Young, Livingston, $49,202. Noted Jan. 5.

Cal., Riverside—Bd. Supervs. Riverside Co. 1,104 lin.ft. trestle, to Mercereau Bridge & Constr. Co., 313 North Ave. 22 Los Angeles, $22,390. Noted Dec. 8.

Railways

PROPOSED WORK

Indiana—Indianapolis & Cincinnati Traction Co., c/o C Henry, pres., Germana Bldg., Indianapolis, having plans prepared 70 mi. railway extension from Rushville, Ind., to Cincinnati, O. A. H. Moore, engr.

Excavation and Dredging

PROPOSED WORK

Ill., Kankakee—Grannary Creek Dist. making plans open ditch work, and tile and concrete drains. $162,000. L. C. Berger, comr. R. D. Gregg, City Hall, engr.

Ill., Kankakee—Minnie Creek D. D., c/o W. R. Hunter, Cobb Bldg., making plans open ditch, tile and concrete drains. $150,-000. L. C. Looker, Court House, engr.

Ill., Kankakee—North Limestone D. D., c/o E. C. Taylor, comr., making plans open ditch work and tile drains. $60,000. J. F. Schmeltzer, Manteno, engr.

Minn., Madison—Lac Qui Parle Co. takes bids probably in March, for Judicial Ditch 4. $155,000. S. B. Gardner, Benson, engr.

Mo., Guilford—Nodaway Co., D. D. had plans prepared and opens bids in fall 20 mi. ditch. W. B. Hazen, Commercial Bldg., St. Joseph, engr.

Ark., Texarkana—Index Sulphur D. D., Miller Co., having surveys made for open drainage channels to reclaim 122,000 acres in Red River Valley, Miller Co., Morgan Eng. Co., Goodwyn Institute, Memphis, engrs.

BIDS DESIRED

Ill., Kansas — Jan. 20, by Comrs. Union D. D., 16,300 cu.yd. excav., and enlarging channel. J. E. Bonnell, engr.

S. D., Woonsocket—Feb. 7, Sanborn Co., County Ditch 29, 33,400 ft. 6-27 in. tile, 22,485 ft. 8-24 in. sewer pipe, etc., $35,000. C. A. Allen, aud. C. A. Trimmer, Madison, engr.

Mo., Chillicothe—Jan. 27, by Bd. Supervs. Grand River D. D. for 16 mi. of actual excavated cutoffs consisting of 35 cutoff channels to straighten Grand River, bottom widths 15 ft., 25 ft. and 100 ft., in Livingston and Linn Counties, 2,750,000 cu.yd. dragline work. Morgan Eng. Co., Goodwyn Institute, Memphis, Tenn., engrs.

CONTRACTS AWARDED

Fla., Daytona—Halifax D. D., c/o Gardiner & Gardiner, Daytona, 11 mi. canal, 16-32 ft. wide, 3-7 ft. deep, from Rose Bay to Holly Hill Rd., and widen two 1½ mi. outlet canals, to Florida Drainage & Constr. Co., Palatka, $178,000.

Streets and Roads

PROPOSED WORK

Conn., New Britain—To vote on $145,-000 bonds, new pavement work. J. D. Williams, city engr.

N. Y., Mayville—Chautauqua Co. plans improving various roads. $348,300. W. J. Knauer, co. supt. of highways.

N. Y., Rochester—See "Miscellaneous."

N. Y., Troy—Plans concrete sidewalks on 23rd St., Detroit Ave. and Burdett Court; paving and curbing 23rd and 24th Sts. A. E. Roche, city engr.

N. J., Belvidere—Bd. Freeholders Warren Co. plans paving 1.6 mi. road from Phillipsburg to Still Valley, concrete. $50,-000. H. W. Vetter, Belvidere, engr.

N. J., Toms River — Bd. Freeholders Ocean Co. plans paving 10 mi. roads. $500,-000. J. M. Abbot, Toms River, engr.

Pa., Mercer—Comrs. Mercer and Venango Counties plan state aid road from here to Franklin.

Del., Wilmington—Making plans improving all of Thatcher portions of Claymont and new boulevard, 80 ft. Work includes fill at site of proposed bridge, grading over reclaimed land (7 blocks), curbing, etc. $150,000. C. Grubb, City Bldg., engr.

Streets and Roads (Continued)

W. Va., Bluefield—Plans paving East River Ave., Adams, Allen, Albermarle, Augusta, Church, Frederick, Greenbrier, Highland, Locust, Logan, Lynn, North, Rockbridge, Roy and South Sts., vitr. brick. $211,000. E. C. Barton, Bluefield, engr.

W. Va., Huntington—Cabell Co. plans paving 2 mi. Long Branch Wayne Rd., concrete, $60,000; 2 mi. Barboursville Slat Rock Rd., concrete or brick on concrete, $60,000; 2 mi. Seven Mile Rd., concrete, $60,000, all 16 ft. J. N. Doyle, 321½ 9th St., engr.

North Carolina—State Hy. Dept., Raleigh, plans clearing, grading and surfacing 11.7 mi. road from Lincolnton to Gaston Co. line, State Project 646, Lincoln Co., $50,000; grading and surfacing 9 mi. from Smiths Bridge Twp. line to Georgia State line, State Project 962 B, Macon Co., $36,000, 5 mi. from Franklin to Smiths Bridge Twp., State Project 962 A, Macon Co., $25,000. C. M. Upham, state highway engr.

Fla., Bushnell—To sell $30,000 bonds for paving 2 mi. various streets, asphalt. Young-Erin Co., Ocala, engrs.

Fla., Tarpon Springs—Rejected bid received paving 1⅞ mi. Grosse, Lime, Court, Ring, Park, Bay, Spring, Forrest and Pearl Sts., asphalt block. $40,000. Work will be readvertised. H. McCreary, Tarpon Springs, engr. Noted Nov. 17.

Fla., Williston—Voted $36,000 bonds for paving 3 mi. road, probably rock with tarvia or asphalt surfacing. C. E. Scarborough, clk. Noted Dec. 1.

O., Cleveland — Plans grading, curbing and paving Giddings Rd., Fairchild, Fidelity, Forest, Frankfort, Grandview Halliday, Hamilton, Harvard, Helena, Henly, Hough, Hydraulic and Imperial Aves. $200,000. Work will mature in spring. R. Hoffman, City Hall, engr.

O., Cleveland—C. C. Townes Co., Fidelity Mortgage Bldg., plans grading, laying sidewalks, sewers and water mains in Pearl Rd. allotment. $100,000. A. D. Taylor, 4614 Prospect Ave., engr.

O., Columbus—Plans grading, repaving and relocating cluster light standards on 5,897 ft. 3rd St. from Naghten St. to Livingston Ave., 52½ ft., asphalt new stone gutters, $166,852, asphalt old granite gutters, $134,727, wood block, $210,572 or different gutters, $212,432. R. H. Simpson, City Hall, engr.

O., Columbus — Plans grading, paving and laying watermains in various alleys. $45,000. R. H. Simpson, city engr.

Ind., Angola—Steuben Co. plans to grade and gravel surface 29,784 ft. G. Maxton Rd., Hamilton Branch, Otseco and Scott Twps., $21,004; 22,756 ft. G. Maxton Rd., Metz Branch, Scott and Pleasant Twps., $14,554.

Ind., Brazil—Clay Co. plans 8,759 ft. stone and gravel road, 24 ft. $29,196.

Ind., East Chicago—Plans paving various streets, 12,250 sq.yd. asphalt or sheet asphalt on old macadam or 12,250 sq.yd. 1 or 2 course concrete and 4,083.33 cu.yd. earth excav. $47,500. C. K. Wallace, city engr.

Ill., Ashkum—Bd. Local Impvts. making plans paving various streets, vitr. brick on concrete. $70,000. L. C. Looker, Court House, Kankakee, engr.

Ill., Chicago—Bd. Local Impvts., City Hall, soon takes bids paving Roscoe, Kolman, Kilbourn, Kenneth, Kostner, School, Cornelia and Kenton Sts., asphalt and concrete. $213,500. C. D. Hill, city engr.

Ill., East Moline—Making plans paving 7th, St., vitr. brick on concrete. $30,000. R. E. Sneary, city engr.

Ill., Streator—Making plans paving various streets, vitr. brick on concrete. $28,000. F. H. Renz, City Hall, engr.

Wis., Milwaukee — Milwaukee Co. plans paving with concrete ⅞ mi. Burleigh Rd. from Lisbon Rd. to Wauwatosa Ave., 24 ft., 2¾ mi. Clement Ave. from tracks to Chicago Rd. and Old Chicago Rd. from Clement to Layton Aves., 1 mi. 8th Ave. from College to Grange Aves., 2¼ mi. South Fond du Lac Rd. from Loop to county line, 1½ mi. Lovers Lane Rd. from Greenfield to Mukwinago Rd., all foregoing 18 ft.; widening to 30 ft. 3 mi. Hawley Rd. from Grand Ave. to city limits of West Allis, 1 mi. Lake Rd. from College to Hawthorne Aves. in South Milwaukee. W. F. Cavenaugh, c/o hy. comr.

Wis., Shullsburg—Making plans paving, curbing and guttering 1 mi. Water, Judgement and Kennedy Sts., 22 ft., one course rein.-con. $25,000. W. F. Reichardtt, Watertown, engr.

Wis., Tomah—Plans paving 1 mi. La Crosse, Council, Superior and Kilbourn Sts., 22 ft. one course rein.-con., incl. concrete curb and gutter. $25,000. Engineer not selected.

Ia., Jefferson—Auditor Greene Co. rejected bids grading 8.22 mi. Primary Rd. Project 153, from Dana north to county line, 65,705 cu.yd. excav., 47,690 lin.ft. 6 in. tile, etc. Noted Dec. 15.

Minn., Little Falls—B. Y. McNairy, aud. Morrison Co., rejected bids opened Dec. 21, paving 10.5 mi. State Project 27-22, Federal Aid Project 154, from here to Royalton, 123,284 sq.yd. concrete. $325,000. Work will be readvertised. Noted Jan. 5.

Minn., Willmar—Soon takes bids for 80,000 sq.yd. paving. $300,000. H. Gunderson, clk. Noted June 23.

Minn., Winona—Winona Co. making plans grading and concrete surfacing 17 mi. La Moille-La Crescent Rd., 20 ft. $440,000. E. F. Efferts, Winona, engr.

S. D., Aberdeen—Plans paving 12 blocks Kline St. $35,000. F. E. Raymond, clk.

Wyoming—State Hy. Dept., Cheyenne, takes bids in about 2 or 3 months, grading and shale surfacing 5 mi. Garland-Deaver Rd., Federal Aid Project 114, Big Horn Co., 24 ft., $30,000; 5 mi. Gillette-Moorcroft Rd., Federal Aid Project 120, Campbell and Crook Counties, 24 ft., $39,000; grading, surfacing and possibly tunneling 14 to 28 mi. Wind River Canon Rd., Federal Aid Project 118, Hot Springs Co., 20 to 24 ft., $400,000. Z. E. Sevison, state highway engr.

Mo., St. Joseph—Platt Co. making plans paving roads, bituminous macadam on concrete. $300,000. Leslie-Barnes Eng. Co., Amer. Natl. Bank Bldg., engrs.

Tex., Beaumont—Jefferson Co. voted $2,000,000 bonds for highways and large bridge over Neches River. J. B. Peek, co. judge. Noted Dec. 8.

Tex., Brady—McCulloch Co. defeated $600,000 bond issue grading and gravel surfacing roads. E. A. Burrows, co. engr.

Tex., Dallas—Dallas Co. making plans grading, scarifying, reshaping and surfacing 14.3 mi. Lancaster Rd., 1,250 cu.yd. concrete, 55,000 cu.yd. roadway, 12,000 cu. yd. borrow and 12,000 cu.yd. loose and solid rock excav., 130,000 sq.yd. 2 in. and 33,600 sq.yd. ⅞ in. bituminous macadam, 82,000 lb. reinforcing and 179,000 lb. structural steel. $416,695. Nagle Witt Rollins Eng. Co. Amer. Exch. Bank Bldg., engrs.

Tex., Decatur—Wise Co. sold $150,000 bonds improving Rd. Dist. 2. L. W. Taylor, co. engr.

Tex., Houston—Harris Co. making plans grading and gravel surfacing 3.33 mi. Fairbanks Gap on Highway 2, 8,000 cu.yd. earth excav., 4,884 cu.yd. gravel and crushed rock, 2,130 cu.yd. shell, 19,340 gal. asphalt, 782 cu.yd. cover material, $48,832; 2.1 mi. Ellington Gap on Highway 2, 8,000 cu.yd. earth excav., 19,340 gal. asphalt, 782 cu.yd. cover material, 4,884 cu.yd. gravel or crushed rock, 2,130 cu.yd. shell, $25,500. Howe & Wise, 211-16 First Natl. Bank Bldg., engrs.

Tex., Jefferson—Marion Co. election Jan. 27, to vote on $500,000 bonds improving roads. T. B. Worden, co. engr.

Tex., McKinney—Collin Co. grading and gravel surfacing 2.65 mi. State Highway 1, 5,985 cu.yd. roadway and 97,267 cu.yd. borrow excav., 22,400 gal. asphalt, 336 cu.yd. concrete, 30,469 lb. reinforcing, 3,345 cu.yd. gravel and 3,618 cu.yd. crushed rock, $69,689. Paving above project with concrete being considered which will raise cost to $104,000. F. W. Cawthon, co. engr.

Tex., Orange—Jan. 10, to vote on $700,000 bonds for paving roads. J. E. Johnson, co. engr.

Tex., Robstown—To vote on $40,000 bonds paving streets. Address Mayor.

Tex., Tyler—Smith Co. making plans improving 15 mi. State Highway 37 from here to Cherokee Co. line, incl. grading and surfacing entire length of road with 6 in. gravel and 6 mi. with 1½ in. bituminous top and oak curbing, etc. $200,000. D. K. Caldwell, co. engr.

Utah—State Rd. Comn., Salt Lake City and Federal Government will take bids early in spring grading 6.82 mi. road from Wellsville to Boxelder Co. line, $122,46, hard surfacing 5.7 mi. road from Spanish Fork to Payson, $228,530. H. C. Means, state road engr.

Utah—State Rd. Comn., Salt Lake City, opens bids about Feb. 1, surfacing 10.7 mi. road between Price and Castlegate Highway, Carbon Co., $420,000, also 15.5 mi. from Nephi to Utah Co. line, Juab Co., $36,471. H. C. Means, state road engr. Noted Nov. 3.

Ariz., Phoenix—Maricopa Co. Hy. Comn. soon takes bids paving 160 mi. roads, cement concrete, bitulithic and asphaltic concrete.

Ore., Portland — O. Laurgaard, city engr., opens bids latter part of January, grading, paving, curbing and laying sidewalks on East 28th St. from Woodstock Ave. to Holgate St. and Holgate St. from East 26th to East 28th Sts., 1,000 lin.ft. concrete curb, 800 lin.ft. concrete sidewalk, 7,852 cu.yd. earth excav., 5,585 cu.yd. concrete, 16,100 sq.yd. 2 in. asphaltic concrete on 4 in. crushed rock. $43,084.

Wash., Vancouver — Clarke Co. plans paving 3 mi. St. Johns Rd. from city limits, here, to Tracy, 18 ft., concrete. $75,000. W. A. Schwarz, Vancouver, engr.

Cal., San Diego—Plans grading and paving 8,000 ft. Roosevelt Memorial Drive, 17,800 sq.yd. concrete. $50,000. F. A. Rhodes, City Hall, engr.

Cal., Sonora—C. W. Terry, city engr., instructed to submit estimates of cost for approximately 230,000 sq.ft. of paving.

Ont., Walkerton—Takes bids in March paving Station Rd., concrete or asphalt $40,000. F. W. Lippert, Walkerton, engr.

BIDS DESIRED

N. Y. Brooklyn—Jan. 18, by E. Riegelmann, boro pres., Boro Hall, grading, curbing and paving roadway of Utica Ave. from point about 260 ft. north of Ave. L to Ave. N, omitting portion within railroad area, preliminary bituminous macadam; grading, curbing and laying sidewalks on 78th St. from 16th to 17th Aves.; paving roadway of 78th St. from 16th to 17th Aves., permanent asphalt on 6 in. concrete.

N. J., Belvidere—Feb. 1, by Bd. Freeholders Warren Co., paving and building 2 span concrete bridge on Sect. 3, Washington-Buttzville Rd., White Twp. H. W. Vetter, co. engr.; adv. this issue.

Fla., Dade City—Jan. 20, by Comrs. Pasco Co., paving highways, concrete, asphalt or brick. $750,000. Noted Feb. 3.

Ohio—Jan. 21, by Dept. Highways and Pub. Wks., Columbus, grading, bridges and culverts and paving roads in following counties:

Greene Co., Sect. "B" Springfield—Jamestown Rd., 6.9 mi. bituminous macadam, $172,691.

Medina Co., Sect. "S" Cleveland-Wooster Rd., 3.265 mi. concrete, $114,638; bituminous macadam, $95,507.

Medina Co., Sect. "South" Cleveland-Wooster Rd., 0.347 mi., concrete, $12,314; bituminous macadam, $10,304.

Union Co., Sect. "Marysville" Columbus-Marysville Rd., 0.15 mi., plain concrete, $9,172.

Wood Co., Sect. "A," "B" & "Haskins," Bowling Green-Waterville Rd., 5.106 mi., bituminous macadam, $106,055. L. C. Herrick, dir. highways.

Ohio—Jan. 24, by Dept. Highways and Pub. Wks., Columbus, grading, bridges and culverts and paving roads in following counties:

Defiance Co., Sect. "A" Paulding-Bryan Rd., 1,872 mi. rein.-con., $62,341; Kentucky rock asphalt, $58,533; bituminous concrete, $58,533; bituminous macadam, $52,738.

Knox Co., Sect. "B-1" Mt. Vernon-Newark Rd., 3.39 mi., monolithic brick, $132,087; monolithic brick (state to furnish brick), $96,624; plain concrete, $110,901; bituminous macadam, $102,859.

Licking Co., Sect. "G" Mt. Vernon-Newark Rd., 4.053 mi., rein.-con. $162,834; bituminous macadam, $147,465.

Portage Co., Sect. "S" Akron-Youngstown Rd., 2.427 mi., rein.-con., $93,647; bituminous concrete, $83,999.

Streets and Roads (Continued)

Wood Co., Sect. "A" Perrysburg-Fostoria Rd., 2.576 mi. rein.-con., $90,694; bituminous concrete, $74,437. L. C. Herrick, dir. highways.

Ohio—Jan. 27, by Dept. Highways and Pub. Wks., Columbus, grading, bridges and culverts and paving roads in following counties:

Coshocton Co., Sect. "F" Newcomerstown-Coshocton Rd., 4.184 mi., brick, $159,105; same paving with brick (state to furnish brick), $114,853; plain concrete, $128,314; bituminous macadam, $121,973.

Fulton Co., Sect. "Q-2" Bryan-Wauseon Rd. 2.003 mi., rein.-con., $71,411.

Fulton Co., Sect., "S" Bryan-Wauseon Rd., 1.008 mi., rein.-con., $34,754.

Fulton Co., Sect. "R" Bryan-Wauseon Rd., 3.359 mi., rein.-con., $119,092.

Perry Co., Sect. "B" McConnelsville-New Lexington Rd., 3.749 mi., brick, $207,830; brick (state to furnish brick), $167,460; plain concrete, $172,097; Kentucky rock asphalt, $151,562; sheet asphalt, $159,236.

Warren Co., Sect. "C-1" Columbus-Cincinnati Rd., 4.424 mi. rein.-con., $119,147; bituminous macadam, $96,958.

Warren Co., Sect. "C-2" Columbus-Cincinnati Rd., 2.449 mi., rein.-con., $88,278; bituminous macadam, $68,708. L. C. Herrick, dir. highways.

Ohio—Jan. 31, by Dept. Highways and Pub. Wks., Columbus, grading, bridges and culverts and paving roads in following counties:

Hamilton Co., Sect. "A" Cincinnati-Brookville Rd., 4.075 mi., bitulithic, $294,022; bitoslag, $294,022; plain concrete $222,625; bituminous concrete, $272,626.

Hamilton Co., Sect. "B" Cincinnati-Brookville Rd., 4.677 mi., plain concrete, $281,073.

Fulton Co., Sect "M" Toledo-Wauseon Rd., 1.004 mi., rein.-con., $30,883; bituminous macadam, $23,652.

Fulton Co., Sect. "Fayette" Archbold-Fayette Rd., 0.478 mi., rein.-con., $35,408.

Putnam Co., Sect. "M" Van Wert-Ottawa Rd., 2.865 mi., Kentucky rock asphalt, $84,759; bituminous macadam, $65,683; asphaltic concrete, $85,394.

Putnam Co., Sect. "Ottoville" Van Wert-Ottawa Rd., 0.595 mi., Kentucky rock asphalt, $14,336; bituminous macadam, $11,294; asphaltic concrete, $15,048. L. C. Herrick, dir. highways.

Indiana—Jan. 26, by L. E. Lyons, dir., State Hy. Comn., Indianapolis, paving Federal Aid Projects 6, Sects. B and D; 13, Sects. B, C and D; 15, Sects. A and B; brick, bituminous concrete and concrete; adv. this issue.

Ind., Anderson—Jan. 16 by Comrs. Madison Co., paving with concrete, D. B. Cole Rd., $54,101; C. F. Cather and H. O'Connor Rds., Anderson Twp., $75,167; H. Kemp Rd., Jackson Twp., $61,209; and C. L. Bruce Rd., Pipecreek Twp., $62,744. H. P. Hardie, aud.

Mich., Sturgis—Feb. 8, by City Comn., 70,000 sq.yd. rein.-con., asphaltic concrete or sheet asphalt, etc. R. D. Ballew, city mgr.; adv. this issue.

Ia., Algona—Jan. 20, Auditor Kossuth Co., gravel surfacing 6.07 mi. Secondary Rd. Dist. 6, from S.W. corner Sect. 19 to S.E. corner Sect. 24, Portland Twp., 9,105 cu.yd. gravel, 61,500 units additional half mi. haul; 4.97 mi. Secondary Rd. Dist. 15, from S.W. corner Sect. 30 to N.W. corner Sect. 6, LuVerne Twp., 7,500 cu.yd. gravel, 10,875 units additional; 5.94 mi. Secondary Rd. Dist. 16, from S.W. corner Sect. 18 to S.E. corner Sect. 13, Seneca Twp., 9,000 cu.yd. gravel, 29,500 units additional.

Minn., Austin—Jan. 24 by O. J. Simmons, aud. Mower Co., grading 18 mi. Job 2201, 91,851 cu.yd. excav., 237,490 sta.yd. overhaul, etc., $40,000; 10 mi. Job 2202, 54,409 cu.yd. earth and 422 cu.yd. loose rock excav., 138,285 cu.yd. overhaul, etc., $21,000; 14 mi. Job 2204, 61,095 cu.yd. earth and 507 cu.yd. loose rock excav., 226,910 cu.yd. overhaul, etc. $32,000; 3 mi. Job 2206, 13,135 cu.yd. excav., etc., $6,000; and 5 mi. Job 2207, 24,795 cu.yd. earth and 586 cu.yd. loose rock excav., 72,210 sta.yd. overhaul, etc., $10,000. A. C. White, c/o engr. Noted Aug. 1.

Minn., Duluth—Jan. 17, by J. A. Farrell, comr., paving 1.5 mi. Woodland Ave. from Oxford St. to Austin St., two 14 ft. strips on either side of car tracks, 12,150 cu.yd. earth and 710 cu.yd. rock excav., 18,000 ft.

Construction News Service of *Engineering News-Record*

offered you a greater number of construction tips in 1921 than in either 1920 or 1919.

A larger correspondents staff, in continual repair, made this possible.

We endeavored to serve you to the best of our capabilities in the year just past, and we shall continue to do so cheerfully and conscientiously in the year just started.

Here's a little résumé of the 1921 Service Rendered

Number of Items Published

	Bids Desired			Proposed Work		
	1921	1920	1919	1921	1920	1919
Water-Works	335	205	203	560	622	750
Sewers	407	340	292	563	540	651
Bridges	409	424	317	419	427	451
Streets and Roads	1,946	1,952	1,612	2,011	2,197	3,454
Railways	13	15	10	64	103	108
Excavation and Dredging	186	218	152	161	220	226
Industrial Works	420	427	357	1,514	1,514	2,640
Buildings	1,951	1,235	862	5,663	5,115	4,260
Federal Gov't Work	479	573	631	195	412	578
Miscellaneous	685	639	353	549	559	743
	6,831	6,028	4,789	11,699	11,709	13,861

In addition to 6,831 jobs on which bids were desired and 11,699 items of proposed work, we published 1,732 reports of bids received, 7,047 announcements of contracts let and 146 decrees of the Federal Power Commission.

A total for 1921 of.....27,455 items
Against the 1920 record of..26,986 items
And for 1919.....25,643 items

Are you taking full advantage of this valuable

Construction News Service

Streets and Roads (Continued)

3-6 in. tile, 2,500 sq.ft. sidewalk concrete, 28,400 sq.yd. concrete, etc., $116,336. E. K. Coe, engr. Noted Nov. 17.

Kan., Oswego—Feb. 14, Comrs. Labette Co., grading and gravel surfacing 2.206 mi. Sect. F and 2 rein.-con. bridges Sect. G, one with 35 ft. other with two 35 ft. T girders, Federal Aid Project 2. $35,000. W. J. King, Oswego, engr.

S. D., Winner—Jan. 30 (change of date), grading and paving various streets, 24,060 cu.yd. excav., 70,770 sq.yd. paving. Bids on creosoted wood block, sheet asphalt, asphaltic concrete, bitulithic, tarvia on concrete, and 1 and 2 course concrete. $250,000. Smith & Reeves, Mitchell, engrs. Noted Dec. 8.

Utah—Salt Lake City—Jan. 19, by City Recorder paving from 3rd to 11th Aves. and H to N Sts., $153,000. S. Q. Cannon, city engr. Noted Nov. 24 and Dec. 15.

California—Jan. 30, by State Hy. Comn., Sacramento, grading 16.8 mi. highway between San Felipe and easterly boundary, Santa Clara Co. A. B. Fletcher, state highway engr.

Cal., Newman—Jan. 24, by City Trustees, improving 10 blocks various streets. $146,287. W. R. Sherman, city engr. Noted Dec. 8.

Cal., Oroville—Jan. 24, by Supervs. Butte Co., paving 6.47 mi. Cohasset-Richardson Springs Rd., asphalt macadam. H. H. Hume, c/o road engr.

BIDS RECEIVED

Florida — State Rd. Dept., Tallahassee, opened bids Jan. 4 hard surfacing (1) Project 11, Duval, Nassau and Baker Counties, (2) Project 21, Baker Co., (3) Project 22, Baker Co., (4) Project 23, Duval Co., (a) Item 18, 153,538 sq.yd. 8 in. compacted rock base, (b) Item 25, 144,506 sq.yd. 3 in. bituminous macadam surface slag, (c) Item 25A, 289,012 gal. bituminous material, (N. A. 3), (d) Item 25B, 289,012 gal. bituminous material, (O. A. 3), (e) Item 25C, 289,012 gal. bituminous material, (Ref. tar), (f) Item 26, 144,506 sq.yd. two course bituminous concrete, 3 in., (g) Item 27, 144,506 sq.yd. 3 in. sheet asphalt, (h) Item 28, 144,506 sq.yd. 6 in. concrete surface, (i) Item 29, 144,506 sq.yd. 6 in. rein.-con., (j) Item 32, 50,000 lin.ft. bituminous joint filler, (k) Item 34, 50,000 lin.ft. premoulded expansion joints, (m) Item 25D, 144,506 sq.yd. vertical fiber brick, (n) Item 25E, 162,570 lin.ft. 6 x 12 in. concrete curb, (o) Item 25F, 144,506 sq.yd. concrete base, from W. P. McDonald, Lakeland, (1a) $1.20, (1g) $1.50, total $401,005, (1b) $1.22, (1d) $0.15, total $403,895, (1f) $1.65, total $422,681, (1i) $3.13, (1k) $0.01, total $452,804, (2a) $1.20, (2g) $1.50, total $147,959, (2b) $1.22, (2d) $0.15, total $149,025, (2h) $2.85, (2k) $0.01, total $132,101, (2f) $1.65, total $155,956, (2i) $3.13, total $167,030, (3a) $1.20, (3g) $1.50, total $231,998, (3b) $1.25, (3d) $0.15, total $236,178, (3h) $2.88, total $241,003, (3f) $1.68, total $247,047, (3i) $3.16, total $264,411, (4a) $1.20, (4g) $1.48, total $330,991, (4b) $1.20, (4d) $0.15, total $333,394, (4i) $3.11, total $373,962, (4h) $2.83, total $340,322, (4f) $1.63, total $349,013; H. W. Horst, 10th St. and 15th Ave., Rock Island, Ill., (1a) $3, (1k) $0.12, total $439,518, (2h) $2.98, (2k) $0.12, total $160,593, (3h) $3.05, (3k) $0.12, total $257,701, (4h) $2.87, (4k) $0.12, total $348,648; J. Y. Wilson, Clark Bldg., Jacksonville, (1a) $1.39, (1b) $1.18, (1d) $0.10, total $412,836, (1m) $2.53, (1n) $0.46, total $653,800, (1o) $2.28, total $769,856, (2a) $1.44 (2b) $1.18, (2d) $1.18, (2d) $0.10, total $155,126, (2m) $2.53, (2n) $0.46, total $244,065, (2o) $2.28, total $284,057, (3a) $1.34, (3b) $1.15, (3d) $0.10, total $231,894, (3m) $2.49, (3n) $0.44, total $368,585, (3o) $2.21, total $434,318, (4a) $1.29, (4b) $1.15, (4m) $0.10, total $326,861, (4a) $1.29, (4m) $2.49, (4n) $0.44, total $523,294, (4o) ,$2.21, total $624,138; Fish Bros. Tampa, (2a) $1.30, (2b) $1.10, (2d) $0.16, total $149,359; Doulett, Williams Co., 816 Howard Ave., New Orleans, La., (2h) $3.21, (2j) $0.05, total $171,863, (2i) $3.42, total $183,060, (2a) $1.93, (2b) $1.61, (2d) $0.185, total $214,906, (4h) $3.15, (4j) $0.05, total $380,047, (4i) $3.36, total $405,277, (4a) $1.87, (4b) $1.57, (4d) $0.185, total $471,783; F. W. Long, Realty Bldg., Jacksonville, (3h) $2.70, (3j) $0.13, total $228,666, (3i) $2.93, total $247,895, (3a) $1.39, (3b) $1.17, (3d) $0.17, total $249,711, (3g) $1.54, total $252,220, (4h) $2.62, (4j) $0.13, total $318,932, (4i) $2.84, total $345,363, (4a) $1.36, (4b) $1.14, (4d) $0.17, total $351,416, (4g) $1.54, total $358 624; Barber-Fortin, Warren, O., (3a) $1.42, (3b) $1.11, (3d) $0.19, total $250,704. (3h) $3.08, (3j) $0.07, total $259,079, (3g) $1.76, total $273,277, (3i) $3.34, total $280,816, (4a) $1.42, (4b) $1.11, (4d) $0.195, total $361,477, (4h) $3.02, (4j) $0.07, total $365,069, (4g) $1.76, total $392,714, (4i) $3.28, total $396,306; Clayton Mitchell, Jacksonville, (4h) $2.60, (4k) $0.06, total $314,289, (4i) $2.80, total $338,318. Summary of bids for Projects 11, 21, 22, and 23 as a whole (lump sums) from B. A. Inglis, 1012 Crescent Ave., Birmingham, Ala., (h) $2.32, (j) $0.09, total $942,334, (i) $2.43, total $986,506; W. P. MacDonald, Lakeland, (a) $1.20, (g) $1.43, total $1,086,246, (h) $2.78, (k) $0.01, total $1,117 553, (f) $1.58, total $1,146,481, (i) $3.06, (k) $0.01, total $1,229,992. (b) $1.15, (d) $0.15, total $1,094,277; H. W. Horst, 10th St. and 15th Ave., Rock Island, Ill., (h) $2.68, (k) $0.10, total $1,088,087; B. Foster, 20th and Venango Sts., Phila., Pa., (a) $1.49, (b) $1.06, (d) $0.13, total $1,165,806; J. Y. Wilson, Clark Bldg., Jacksonville, (a) $1.34, (b) $1.15, (d) $0.10, total $1,113,853, (m) $2.49, (n) $0.44, total $1,770,421, (o) $2.21, total $2,077,156. Noted Dec. 15.

Florida—State Rd. Dept., Tallahassee, opened bids Jan. 5, hard surfacing, (1) Project 13, Orange Co., (2) Project 18, Putnam Co., (3) Project 33, Alachua Co., (4) Project 3, Volusia Co., (a) Item 18, 8 in. compacted rock base, (b) Item 25, 3 in. bituminous macadam surface slag, (c) Item 25B, bituminous material, (O. A. 3), (d) Item 25B or C, bituminous material (O. A. 3 or tar), (e) Item 26, two course bituminous concrete, (f) Item 27, 3 in. sheet asphalt, (g) Item 28, 6 in. concrete surface, (h) Item 29, 6 in. rein.-con, (i) Item 31, combined curb and gutter, (j) Item 32, bituminous joint filler, (k) Item 34, premoulded expansion joints, (l) Item 35, vertical fiber brick, (m) Item 36, 6 x 12 in. concrete curb, (n) Item 37, concrete base, (o) Item 22, shell base, (p) Item 24, compacted rock base, from W. P. McDonald, Lakeland, (1a) $1.20, (1f) $1.53, (11) $0.98, total $228,041, (2a) $1.33, (2f) $1.70, total $373,765, (3a) $1.20, (3f) $1.71, total $353,093, (4p) $1.36, total $261,066; Fish Bros., Tampa, (1a) $1.30, (1b) $1.10, (1c) $0.16, (1i) $1.25, total $228,224; W. H. Kendrick, Tampa, (1a) $1.30, (1f) $1.67, total $246,142, (1b) $1.25, (1c) $0.17, total $239.688, (1L) $2.55, total $357,522; F. G. Fowler, Mt. Dora, (1a) $1.40, (1f) $1.21, (1c) $0.19, (1i) $0.98, total $250,023, (1f) $1.64, total $254,067; Lasley Bros. and M. Harvey, Chattanooga, Tenn., (1a) $1.07, (1L) $2.58, (1m) $0.40, (1i) $0.98, total $337,505, (1n) $2.21, total $424,073; H. W. Horst, 10th St. and 15th Ave., Rock Island, Ill., (2g) $2.93, (2k) $0.10, total $354,979, (2a) $1.36, (2b) $1.30, (2d) $0.15, total $365,586. (2h) $3.13, total $378,991, (3a) $1.32, (3b) $1.27, (3d) $0.15, total $351,614, (3h) $3.07, (3k) $0.10, total $395,147, (3g) $2.87, total $371,489; J. F. Morgan, Miami, (2a) $1.34, (2b) $1.14, (2d) $0.20, total $355 831, (2f) $1.75, total $381,044, (2e) $1.85, total $393,050; B. A. Inglis and C. F. Lytle, Birmingham, Ala., (3g) $2.39, (3i) $0.09, total $285,591, (3h) $2.51, total $299,785; Barber Fortin Co., Warren, O., (3a) $1.04, (3b) $1.01, (3d) $0.15, total $285,668, (3f) $1.59, total $318,789, (4p) $1.195, total $229,392; F. W. Long & Co., Realty Bldg., Jacksonville, (3g) $2.56, (3j) $0.08, total $305,380, (3a) $1.12, (3b) $1.14, (3c) $0.165, total $314,649, (3h) $2.76, total $329,038. (4p) $1.21, total $232,272; W. P. Kennedy, Quincy, (3a) $1.25, (3f) $1.35, total $316,793, (3e) $1.56, total $341 633; B. Foster, 20th and Venango Sts., Phila., Pa., (3a) $1.32, (3b) $1.07, (3c) $0.13, total $323,225; Doullet Williams Co., 816 Howard Ave., New Orleans, La., (3g) $3, (3i) $0.05, total $356,467, (3h) $3 23, total $383,673, (3a) $1.55, (3b) $1.30, (3c) $0.17, total $388,801; Gray & Le Fevre, Lakeland, (4d) $0.92, total $176,603; Donahue & Puckett, Jacksonville, (4d) $1.08, total $207,317, (4p) $1.28, total $245,709; Noll & Noll, Palatka, (4p) $1.24, total $238,030. Noted Dec. 15.

Kentucky—State Rd. Dept., Frankfort, shaping and surfacing 3.6 mi. Lexington-Winchester Rd., Fayette Co., (1) rein.-con., (2) rock asphalt, (a) without shoulders, (b) with shoulders, from L. Des Cognets & Co., 413 East Main St., Lexington, (1a) $105,795, (1b) $118,218; O. P. Raymond Constr. Co., Cynthiana, (1a) $111,623, (1b) $126,530, (2a) $110,853, (2b) $125,760; Carey Reed Co., 229 West Short St., (1a) $113,729, (1b) $126,152; J. H. Cahill, 154 9th St., Louisville, (1a) $139,207, (1b) $153,701, (2a) $111,162, (2b) $125,165; Codell Bvars Constr. Co., Winchester, (1a) $114.536, (1b) $125,303, (2a) $99,687, (2b) $110,454. Noted Dec. 15.

O., Euclid—Grading, curbing and paving Ashville, Pinehurst, Edgewater, Kenwood, Oakleigh, Woodview, Edgemoge, Elbury and Edgecliff Sts., 45,000 lin.ft. curb and gutter, 9,000 cu.yd. earth excav. and 315,000 sq.ft. vitr. brick or asphalt on [illegible] crete, from Cleveland Trinidad Paving [illegible] The Arcade, Cleveland, (asphalt) $17[illegible] Gould & Maybach, 823 East 150th [illegible] Cleveland, (brick) $201,631; Beverly [illegible] Dr., 3,350 lin.ft. curb and gutter, [illegible] cu.yd. earth excav., 56,000 sq.ft. vitr. [illegible] and 43,500 sq.ft. concrete base, from [illegible] Stein, Euclid, $30,571, Gould & Mayb[illegible] 823 East 150th St., Cleveland, $32,[illegible] 3,110 ft. 8-18 in. vitr. sewers and 3,17[illegible] 6 in. c.i. water mains in Seabrook, [illegible] mont and Lamb Aves., Elsmere, Hawth[illegible] and Cambridge Drives, from J. B. [illegible] 1852 Rudwick Rd., Cleveland, $5,933, A. [illegible] Hattendorf, 13601 6th Ave., East Cle[illegible] land, $12,707, A. J. Galvin, Lennox Bld[illegible] Cleveland, $14,091.

Ia., Sioux City—Auditor Woodbury Co. grading and paving 5.498 mi. Sioux City-Smithland Rd., Federal Aid Project 2, 24,042 cu.yd. excav., 7,600 sq.yd. curbing, 52,215 sq.yd. paving, from H. W. Horst Co., Horst Bldg., Rock Island, Ill., earth excav., $0.69 per cu.yd., type A paving, $2.54 per sq.yd.; 7.02 mi. Salix-Sergeant Bluffs Rd., Federal Aid Project 136, 56,089 cu.yd. excav., 74,145 sq.yd. paving, from E. A. Wickham, 525 3rd St. Council Bluffs, earth excav., $0.30 per cu.yd., type A paving $2.65 per sq.yd.; 0.92 mi. Primary Rd. Project 187, through Moville, 3,253 cu.yd. excav., 9,770 sq.yd. paving, 24,425 lb. reinforcing, from Western Asphalt Paving Co., Sioux City, excav. $0.80 per cu.yd., type A paving $2.49 sq.yd. Noted Dec. 15.

Wash., Seattle—Opened bids Dec. 31 grading Brooklyn Ave. et al, clearing and grubbing 7.75 acres, 17,500 earthwork embankment, 20,050 cu.yd. excav. and 1,200 cu.yd. gravel, from Stilwell Bros., 3220 9th Ave., S., $29,482; V. Ramgalia & Co., 4415 Corliss St., $30,147; Odman Contg. Co., 2534 33rd Ave., S., $36,088.

Cal., Stockton—Improving (1) streets in City Park and Lakeside Terrace. (2) streets in Lake Park Addition, from Moreing Bros., Commercial and Savings Bank Bldg., (1) $54.491, (2) $80,926; J. E. Johnston, Tracy, (1) $54,576. Noted Dec. 15.

CONTRACTS AWARDED

N. Y., New York—H. H. Curran, pres. Manhattan Boro, Municipal Bldg., grading, curbing and flagging new avenue adjoining Highbridge Park (Laurel Hill Terrace) 181st to 184th Sts., to S. Rosoff, Jr., 152 West 42nd St., $85,717. Noted Jan. 5.

Pennsylvania—State Hy. Dept., Harrisburg, 36,488 ft. Route 214, Butler Co., 4,333 sq.yd. vitr. brick, 60,626 sq.yd. rein.-con., 47,854 cu.yd. excav., etc., to C. E. Walter, Butler, $278,411; 22,538 ft. Route 174, Lackawanna Co., 40,113 sq.yd. rein.-con., 22.241 cu.yd. excav., etc. to Continental Contg. Co., Knickerbocker Bldg., Baltimore, Md., and sublet to M. Rosato & Sons, 1145 Sloan Ave., Scranton, $193,174; 32,669 ft. Route 252, Clearfield and Indiana Counties, 58,145 sq.yd. rein.-con., 36,875 cu.yd. excav., etc., to Anderson Constr. Co., Parnassus, $267,453. Noted Oct. 6 and Dec. 1.

Fla., Jacksonville—Duval Co. paving Edgewood Ave. bituminous macadam, to McDougald Constr. Co., Healy Bldg., Atlanta, Ga., $28,593. Noted Dec. 22.

Fla., Tampa—Grading, paving and curbing ¾ mi. Fremont, De Sota and Delaware Sts., asphalt block, to E. E. Cone, 6th Ave. and 16th St., $30,000. Noted Dec. 15.

Kentucky—State Hy. Dept., Frankfort, shaping and grading 7.8 mi. Mayo Trail from Laurel Creek, Boyd Co., to Hunt Forbes Constr. Co., Ashland, $96,516; shaping and bituminous macadam surfacing 2.6 mi. Paducah-Mayfield Rd. from Blandville Rd., McCracken Co., to N. S. Stone & Co., Madisonville, $46,189; shaping and waterbound macadam surfacing 2.3 mi. Louisville-Paducah Rd., from east corporate limits of Bradenburg, Meade Co., to J. S. Walton & Co., Princeton, $31,421, surface treatment to T. Vogelsberg, Louisville, $3,207. Noted Dec. 15.

Kentucky—State Hy. Dept., Frankfort, grading and surfacing 0.4 mi. Ashland-Greenup Rd., north of Ashland, Boyd Co., brick, and 8 mi. Greenup-Ashland Rd., from Boyd Co. line, Greenup Co., bituminous macadam penetration type on slag, to Langhorn & Langhorn, 1st Natl. Bank Bldg., Huntington, W. Va., $19,904 and $215,605 respectively. Noted Dec. 15.

O., Warren—E. H. Braunberns, dir. Pub. Serv., grading, stone curbing and paving 18,540 ft. Youngstown Ave., Metropolitan brick, asphalt filler on 8 in. slag, to Smith Enge & Constr. Co., Western Reserve Bldg., $118,409. Noted Nov. 3.

Streets and **Roads (Continued)**

Ill., **Peoria**—Surfacing 10 blocks Knoxville Ave., 36 ft., vitr. brick on concrete, to A. D. Thompson, Jefferson Bldg., $37,000. Noted July 14.

Ia., **Algona**—Auditor Kossuth Co., gravel surfacing 12.47 mi. Federal Aid Project 111, from Burt north, 19,464 cu.yd. gravel, to Butterworch & Minty, Ft. Dodge 10,135 cu.yd. gravel one mile haul at $0.345 per cu.yd., 9,329 cu.yd. one mi. haul, $0.35, 74,880 units gravel additional half mi. haul, $0.084, 2,200 cu.yd. stripping pits $0.30; grading and paving 11.25 mi. Federal Aid Project 140, from Algona to Wesley, 16,424 cu.yd. excav., 119,000 sq.yd. paving, to Empire Constr. Co., 209 Flynn Blk., Des Moines, 5,093 cu.yd. excav., $0.30 per cu.yd. and 11,318 cu.yd. at $0.65, type A concrete paving, class 3 coarse aggregate $2.59 per sq.yd. Noted Dec. 15.

Ia., **Bedford**—Auditor Taylor Co. grading 12.503 mi. Federal Aid Project 81, from Page Co. line to here, 183,214 cu.yd. excav., to Phelan & Shirley, 306 South 24th St., Omaha, Neb., $0.235 per cu.yd.

Ia., **Missouri Valley**—To Moore & Young, Constr. Co., Waterloo, grading and paving Dist. 1, 10,000 cu.yd. excav. at $0.35 per cu.yd., 11,072 sq.yd. concrete pavement type A $2.80 per sq.yd., etc., $34,839; Dists. 2 and 3, 8,417 cu.yd. excav. $0.38, 17,157 ft. curb and gutter, $1.25, 43,269 sq.ft. 5 in. concrete, $2.40, 23,920 sq.yd. 6 in., $2.60, etc., $191,006. Noted Dec. 15.

Minn., **Duluth**—W. H. Borgen, aud. St. Louis Co., gravel surfacing 15.5 mi. State Rd. 6, Federal Aid Job 2122, near Crisson, northeast of here, 26 ft., to C. R. McLean, 307 1st Natl. Bank Bldg., $35,628.

Minn., **Minneapolis**—Bd. Park Comrs., completing "Grand Rounds" boulevard system, incl. street opening, grading, landscaping, etc. $215,000. Work will be done by day labor. A. G. Godward, engr. for Park Comrs.

Kan., **Iola**—Allen Co. grading 3 mi. Fort Scott-Wichita Highway, Projects 101 and 107, 18 ft., to C. C. Baker, Humboldt, $88,-798. Noted Dec. 29.

Kan., **Wichita**—Sedgwick Co., grading and surfacing 2¼ mi. Douglas Ave. and Kellogg St. Rds. 18 ft., to Shultz Bros., Alva, Okla., $15,250; culverts to C. O. Parsons & Son, Clearwater, $8,071. Noted Dec. 22.

Tex., **Brenham**—Grading and paving 26,-956 sq.yd. Main, Alamo, Quitman, Market, St. Charles, Baylor and North Douglas Sts., to Walling & Harralson, Carter Bldg., Houston, $76,000. Noted Dec. 22.

Tex., **Denton**—Denton Co., paving approaches to bridges, 9,884 sq.yd. concrete, to Denton Constr. Co., Denton, $34,340.

Tex., **El Paso**—El Paso Co. paving 5.54 mi. San Elizario Rd., State Highway 33, Job 72-C, to El Paso Bitulithic Co., Box 161, $149,668. Noted Jan. 5.

Tex., **Fredericksburg**—Gillespie Co. grading 16.9 mi. Highway 20-A, to G. Alvis, Winnsboro, $52,838.

Tex., **Johnson City**—Blanco Co. grading and bridging 6.72 mi. State Highway 46, Federal Aid Project 244-A to Rice & Winder, 1101 West 22nd St., Austin, $33,-650. Noted Jan. 5.

Tex., **Kerrville**—Kerr Co. grading, gravel surfacing and bridging to McCall-Moore Eng. Co., 308 Amicable Bldg., Waco, 11.05 mi. State Highway 27, from Mountain Home to Ingram, $89,405; 13.93 mi. State Highway 27 from Kimble Co. line to Mountain Home, $83,001; 6.67 mi. Highway 27 from here to Ingram, $39,903. Noted Jan. 5.

Tex., **Livingston**—Polk Co. grading and gravel surfacing 10.51 mi. State Highway 35, to S. T. Stanford, Pickapoo, $49,550. Noted Jan. 5.

Tex., **Olton**—Lamb Co. surfacing 34 mi. Highway 28, 16 ft., sand clay, to Jordon Constr. Co., Plainview, $46,824.

Tex., **Wharton**—Wharton Co. surfacing 6.4 mi. State Highway 3 from Colorado Co. east. State Aid Project 50, to Haden & Austin, 727 Kress Bldg., Houston, and P. G. Burns, San Bernardina, $89,999 and $8,306 respectively; surfacing 5.91 mi. Highway 3 from San Bernard River west, Federal Aid Project 15, to Haden & Austin, 727 Kress Bldg., Houston, $78,791. Noted Dec. 29.

Cal., **El Centro**—Imperial Co., paving highway from Calexico west, 169,376 sq.ft. concrete, 100 cu.yd. excav., 4,000 sq.ft. rein.-con. paving, to L. S. Atkinson, Chapman Bldg., Los Angeles, $35,356; Calexico-Bonds Corner Rd., 253,744 sq.ft. concrete, etc., to Kanfield & Knapp, Turlock, $59,-886. Noted Dec. 1.

Cal., **Fresno**—Fresno Co. paving 4.1 mi. Centerville-Dunlap Rd., macadam, to Englehart Paving & Constr. Co., 5th and F Sts., Eureka, $40,255; 4.3 mi. Fowler-Laton Rd., Spec. 3, and 3.6 mi. Sanger-Centerville Rd., Spec. 1, to California Constr. Co., 58 2nd St., San Francisco, $83,129 and $69,558 respectively. Noted Dec. 15.

Cal., **Fresno**—Improving Roosevelt Ave. from Belmont to Olive Sts., 10,824 cu.yd. grading, 10,412 sq.yd. 5 in. concrete, 13,-073 ft. cement sidewalks, 5,045 ft. concrete curbs, etc., to Frederickson & Shannon, Cory Bldg., $33,486.

Cal., **Oakland**—Paving and laying sewers in Madison St. between 2nd and 12th Sts., 49,325 sq.ft. grading, 1,701 lin.ft. concrete curb, 2,116 sq.ft. concrete gutter, 47,209 sq.ft. asphaltic concrete pavement, 1,368 lin.ft. vitr. pipe sewer, 851 lin.ft. 30 in. concrete sewers, etc., to Oakland Paving Co., 5000 Bway., $34,141.

Cal., **Oakland**—Skyline Blvd. extension, to Hard Bros., Ripon, $25,000. Noted Dec. 15.

Cal., **San Francisco**—Bd. Pub. Wks., to Fay Impvt. Co., Phelan Bldg., improving Ulloa St. between 27th and 29th Aves., $20,953; between 29th and 32nd Aves., $16,200; between 32nd and 34th Aves., $14,065. Noted Jna. 5.

Cal., **Santa Ana**—Comrs. Orange Co. grading and paving County Park Rd., 234,-000 sq.ft. 5 in. concrete, 6,500 cu.yd. excav., 83,420 lb. reinforcing, etc., to Graham Bros. & Bruce, 321 East 4th St., Long Beach, $38,149.

Cal., **Stockton**—Improving East St. between Main and Fremont Sts., to Clark & Henery Constr. Co., 38 South Sutter St., $28,795. Noted Jan. 5.

Industrial Works

PROPOSED WORK

Me., Windham—Windham Mfg. Co., having plans prepared by A. P. Stafford, engr., 66 Bway., Lowell, Mass., 1 story, generating plant. $40,000.

Mass., Lowell—Boott Mills, Armory St., having plans prepared by A. P. Stafford, engr., 66 Bway., 1 story, brick and concrete generator plant. $40,000.

Mass., Palmer—M. H. Davitt, 525 North Main St., plans 1 story, brick and concrete garage, North Main St. $40,000. Architect not selected.

Mass., West Springfield—P. Fossa, 98 Old Bridge St., plans 1 story, 100 x 120 ft., ice cream plant, brick and concrete, Old Bridge St. Architect not selected.

Conn., Boardman—New England Lime Co., 226 Main St., Danbury, plans to rebuild plant, here. $100,000. Private plans.

Conn., Hamden (New Haven P. O.)—A. W. Flint Co., 407 Winthrop Ave., plans 1 story, 50 x 200 ft., brick and timber factory with two 30 x 100 ft. timber sheds, Dixwell Ave. Architect not selected.

Conn., Hartford—J. Reibert, Mountain Rd., West Hartford, having plans prepared by G. H. Mathews, archt., 48 Campfield Ave., 1 story, 52 x 220 ft., brick and concrete garage and repair station, Park St. $52,000.

Conn., New Haven—Seamless Rubber Co., Inc., Hallock St., having plans prepared by R. W. Foote, archt., 185 Church St., 140 x 160 ft., rein.-con. addition to plant. $100,000.

Conn., Stratford (Bridgeport P. O.)—Hollander Bros., 360 George St., Bridgeport, having plans prepared by Davis & Dane, archts., 1024 Main St., Bridgeport, 3 story, 55 x 104 ft., brick and timber factory and 1 story boiler house, Seymour St., here. $50,000.

N. Y., Brooklyn—C. Werbelovsky Bros., Flushing Ave., soon takes bids 3 story, brick, steel and concrete factory, plain foundation. $175,000. M. Klein, 37 Graham Ave., archt. and engr.

N. Y., New York—Fordham University, Fordham Rd., having sketches made by R. J. Reilly, archt. and engr., 477 5th Ave., brick, steel and concrete printing building, plain foundation, Fordham Rd. and Bathgate Ave. $250,000.

Pa., Altoona—Caums Ice Cream Factory, 5th Ave. and 9th St., plans 2 story, 25 x 120 ft. concrete, brick and steel addition to factory. E. A. Caum, mgr.

Pa., Dubois—Triumph Motor Truck Co., Medina, N. Y., plans plant here.

Pa., Erie—Times Publishing Co., 11 West 9th St. having plans prepared by Cody, Hicks & Davidson, archts., Ariel Bldg., 2 story, 90 x 165 ft., concrete, brick and steel plant, 10th St.

Pa., Johnstown—Johnstown Terminal Warehouse Co. is being formed and will apply for charter for 5 story, 132 x 250 ft. concrete and brick warehouse, Maple Ave along tracks for Pennsylvania R.R. $450,-000. W. Steele & Sons, 16th and Arch Sts., Phila., archts.

Pa., Norristown—Hutchinson Mfg. Co., Inc., had plans prepared 60 x 160 ft. steel factory. Prices wanted on materials.

Pa., Williamsport—H. A. Moore, 114 Elm St., Milton, plans 2 story 50 x 120 ft. warehouse, supply shop and power house, Franklin and 4th Sts., here. $50,000.

W. Va., Charleston—Brown Milling & Produce Co., Broad St., plans 3 story, 85 x 125 ft., concrete and brick warehouse. $75,000. Nordyke & Marmon, Kentucky Ave. and Morris St., Indianapolis, Ind., archts.

La., New Orleans—Appalachian Warehouse Co., 617 Common St., plans to alter and improve warehouse on block bounded by Erato, South Peters, Thalia and South Front Sts. $750,000. L. B. Magid, pres.

Ky., Louisville—Belknap Hardware & Mfg. Co., 2nd and Washington Sts., soon lets contract 13 story warehouse. $1,500,-000. Graham, Anderson, Probst & White, Railway, Exch. Bldg., Chicago, archts.

Ind., Bloomington—Johnson Creamery Co. having plans prepared by A. E. Neucks, archt., 515-16 Woods bldg., Evansville, 2 story, 50 x 87 ft., concrete and brick addition. $40,000.

Ind., Bloomington—Showers Bros. Furniture Co. plans rein.-con., brick and steel factory. $500,000. H. K. Ferguson Co., 6523 Euclid Ave., Cleveland, O., archts.

Ind., Ft. Wayne—Ft. Wayne Storage Co., Harrison and Grand Sts., having plans prepared by Moore & Dunford, archts., 38 South Dearborn St., Chicago, 6 story, 100 x 200 ft., rein.-con. and brick warehouse. $500,000.

Ind., Indianapolis—Brannum-Keene Lumber Co., East Washington St., plans lumber plant, brick and timber, East Washington St. $150,000. Architect not selected.

Mich., Detroit—Gagnier Stereotype Co., 525 Howard St., having plans prepared by J. Kasurin, archt., 512 Empire Bldg., 1 story, 30 x 700 ft. concrete, brick and steel factory, plain foundation, McKinstry and Plumer Sts. $75,000.

Ill., Chicago—Atwell Printing & Binding Co., Sherman and Polk Sts., plans 6 story, 170 x 177 ft. plant, rein.-con., brick and steel, Prairie Ave. and 20th St. $700,000. Architect not selected.

Wis., Hurley—Raineri & Norman Motor Co. having plans prepared 1 and 2 story, 50 x 140 ft., brick and concrete garage, plain foundation 3rd Ave. $50,000. Private plans.

Wis., Milwaukee—Plans electric generating plant to supply street lighting system. $500,000. G. Staal, City Hall, engr.

Wis., Marshfield—Blum Bros. Box Co., plans 2 or 3 story, brick and concrete or brick and wood warehouse, plain foundation. $50,000. Architect not selected.

Wis., Milwaukee—Lockwood, Green & Co., archts., 38 South Dearborn St., Chicago, take bids in February, 3 story, 260 x 315 ft., tannery, rein.-con., brick and steel, 658 Commerce St., here, for Amer. Hide & Leather Co., 1320 Elston St., Chicago. $500,000.

Wis., Sheboygan—H. C. Prange Co., 8th St. and Wisconsin Ave., plans 4 story, 60 x 110 ft., brick, rein.-con. and steel power house and heating plant, on 8th St. $150,-000 to $175,000. Architect not selected.

Wis., Spencer—Spencer Condensory Co., c/o E. Buss, Marion, plans 2 story, 50 x 94 ft., concrete condensory, plain foundation, here. $40,000. Private plans.

Industrial Works (Continued)

Wis., Sturgeon Bay—Sturgeon Bay Fruit Co. plans 2 story, 100 x 300 ft. canning factory, rein.-con., brick and steel, plain foundation. $100,000. Architect not selected.

Ia., Spencer—F. W. Fais had plans prepared 2 story, 75 x 200 ft. warehouse, rein.-con. and brick. $75,000. Private plans.

Minn., Minneapolis—Park Comrs., City Hall, plan 2 or 3 story, storehouse and laundry, brick and tile, on Lyndale Farmstead, $175,000. Sale of $75,000 bonds has been authorized to construct portion of building. J. A. Ridgway, secy.

Mo., Kansas City—S. S. Joy archt., 2001 West 39th St., Chicago, preparing plans 8 story, 150 x 300 ft. cold storage and ice plant, rein.-con., here. $1,000,000. Owner's name withheld.

Mo., St. Louis—G. G. Hoffman Magneto Co., 3932 Olive St., having plans prepared by E. Lantz, archt., 600 Post Dispatch Bldg., 1 story, 100 x 234 ft., rein.-con. and brick salesroom, garage and service station, 3892 Washington St. $50,000.

Mo., St. Louis—Missouri Athletic Assn., c/o W. C. Boering, pres., 407 Washington Ave., having plans prepared by G. F. A. Bruggeman, archt., Liberty Central Bank, 6 story, brick and steel service building, incl. power plant, 4th and Washington Sts. $150,000.

Wash., Tacoma—Tacoma Ice & Refrigerating Co., South 26th and Adams Sts., plans 5 story, concrete factory, South 26th and Holgate Sts. $250,000.

Ore., Portland — Imperial Investments Concord Bldg., soon let contract 5 story, 100 x 100 ft., rein.-con. garage, 4th and Pine Sts. $150,000. Sutton & Whitney, Lewis Bldg., archts.

Ore., Portland—Rasmussen & Grace, engrs., Chamber of Commerce Bldg., open bids about Jan. 25, 3 story, 100 x 100 ft. publishing plant, steel and terra cotta, 11th and Washington Sts., for Telegram Publishing Co., Washington and Park Sts. $150,000.

Cal., Napa—Union Ice Co., 354 Pine St., San Francisco, having plans prepared by W. H. Toepke, archt., 942 Market St., San Francisco, 1 story, ice plant and storage warehouse, rein.-con., here. $50,000.

BIDS DESIRED

W. Va., Charleston—Diamond Ice & Coal Co., 807 Kanawha St., 2 story, 100 x 100 ft. ice plant. $50,000. Work will be done by separate contracts. A. C. Bishop, 427 Guardian Bldg., Cleveland, O., engr.

O., Cleveland — Jan. 15, by A. Sogg, archt., 319 Hippodrome Bldg., 2 story, 75 x 90 ft., brick and steel foundry and machine shop, plain foundation, East 93rd St. and Catherine Ave., for Sterling Brass Co., c/o S. L. Weil, pres., 4610 St. Clair Ave. $75,000. Noted June 16.

O., Cleveland—S. Wahl, 799 East 103rd St., taking bids 1 story, 56 x 145 ft., brick and steel garage and commercial building, plain foundation, 8116 Lorain Ave. $50,000. Private plans.

Ind., Butler—See "Buildings."

Ind., Mishawaka — Grand Elevator Co., South Union St., receiving bids 1 story, 90 x 125 ft., brick and concrete warehouse. $150,000. Private plans. Noted Dec. 22.

Ill., Chicago—H. J. Schlacks, archt., 721 North Michigan Ave., receiving bids 7 story, 65 x 170 ft. factory, rein.-con., brick and steel, 1340 South Michigan Ave., for P. J. Krez, c/o architect. $250,000. Noted Dec. 22.

Mo., St. Louis—Jan. 15, by H. Horowitz, 390 Arcade Bldg., 3 story, 134 x 250 ft., rein.-con., brick and terra cotta industrial building, Olive and Bomont Sts. $150,000. O. J. Popp, Odd Fellows Bldg., archt.

CONTRACTS AWARDED

N. Y., Marcy—State Hospital Comn., Albany, kitchen and cold storage building for acute patients at Marcy State Hospital, here, to C. J. Burgess, Marcy, $130,970. Noted Dec. 29.

N. Y., New York—I. Langner, c/o J. De Hart, archt. and engr., 1041 Fox St., 2 story, 35 x 50 ft., brick and concrete garage, plain foundation, 185th St. and Bway., by day labor. $90,000.

N. J., Linden — Warner - Quinlan Co., 79 Wall St., New York, oil refinery and asphalt plant, here, to J. Ferguson Co., United Bank Bldg., Paterson, $2,000,000. Noted Nov. 24.

Ky., Louisville—Standard Printing Co., 220 South 1st St., 4 story, 70 x 100 ft. printing plant, rein.-con. and brick, 220-228 South 1st St., to Struck Constr. Co., 147 North Clay St., $150,000.

Ky., Louisville—Standard Sanitary Mfg. Co., 6th and A Sts., 1 story, 53 x 404 ft. enameling plant, rein.-con. and steel, concrete pile foundation, to G. H. Rommel Co., 958 Logan St., $80,000. Noted Nov. 10.

O., Norwood—Federal Garage Co., Cincinnati, 4 story, 60 x 238 ft., concrete garage, here, to Ferro Concrete Constr. Co., 3rd and Elm Sts., Cincinnati, $140,000.

Ind., Richmond—Peille Co., 2 story, 260 x 500 ft., rein.-con., brick and steel factory, to C. C. Heinzemann & Sons, Marion. $200,000.

Ill., Chicago—Mundie & Jensen archts., 39 South La Salle St., 1 story, 75 x 100 ft. garage, rein.-con., brick and steel, 215 West Erie St., to W. Morris Co., 17 North La Salle St., for Newberry Library, c/o architects. $40,000. Noted Nov. 10.

Wis., Cudahy—Cudahy Bros. Co., c/o E. F. Lawler, purch. agt., general contract, 1 story, 80 x 190 ft., box factory, rein.-con., brick and steel, plain foundation, to J. C. Garvey, 198 Milwaukee St., Milwaukee. $60,00. Noted Dec. 22.

Wis., Fond du Lac—Combination Door Co., 180 Ruggles St., general contract., 2 story, 50 x 90 ft., brick, rein.-con. and steel factory, to Hutter Constr. Co., 128 Western St., $60,000.

Wis., Fond du Lac—Eastern Wisconsin Electric Co. 15 North Main St., 1 story, 35 x 90 ft. electric sub-station rein.-con., steel and brick, to Imel Constr. Co., 200 North Main St., $45,000.

Wis., Milwaukee—I. Braun, 737 32nd St., 2 story, 25 x 80 ft. concrete and brick bakery, plain foundation, Center St., to E. Steigerwald Co., 3603 Vliet St., $40,000.

Wis., Milwaukee—Republic Investment Co., 160 5th St., 1 story, 98 x 123 ft. film storage building, brick and concrete, plain foundation, Wells and 11th Sts., to Michie Constr. Co., 82 Wisconsin St., $45,000. Noted Dec. 15.

Wis., Wauwatosa—Milwaukee Co., 2 story, 87 x 154 ft. concrete and brick warehouse, plain foundation, Watertown Plank Rd., to Jahns & Nuth, 1915 Chestnut St., Milwaukee, $77,500. Noted Dec. 29.

Mo., St. Clair—International Shoe Co., 15th and Washington Sts., St. Louis. 3 story, rein.-con., brick and steel factory, here, by day labor. $75,000. H. Reinhardt, c/o owner, archt. Noted Jan. 5.

Cal., Marysville—Virden Packing Co., 1300 Bryant St., San Francisco, packing plant, rein.-con., J St. from 5th to 9th Sts., here, to McGillivray Constr. Co., Capitol Natl. Bank Bldg., Sacramento, $250,000.

Buildings

PROPOSED WORK

Mass., Boston — Police Station — City Building Dept., 802 City Hall, having plans prepared by J. Purdon, archt., 8 Beacon St., brick, Sears and Milk Sts. $225,000.

Mass., Fitchburg — Club — B. P. O. E. plan brick and steel clubhouse. $150,000. Architect not selected.

Mass., Newburyport—Church—St. Pauls Episcopal Church plans 1 story, stone, on Pleasant St. $150,000. Architect not selected.

Mass., Revere—High School—School Dept., having plans prepared by E. I. Wilson, archt., Egypt, brick, Beach St. $250,000.

Mass., Westfield—High School—School Comm. having preliminary sketches by M. B. Harding, archt., 33 Elm St., 2 story, high school. $200,000.

Mass., Whitinsville — Church — Trinity Episcopal Church plans 1 story, Church St. and Johnson Ave. $150,000. Architect not selected.

Conn., Bridgeport—Schools—Bd. Educ. plans additions to 3 or 4 schools. $500,000. Architect not selected.

Conn., East Haven (New Haven P. O.)—School—Town School Bd. plans extensions. $150,000. Architect not selected.

Conn., Hartford — Club etc. — Hillman Temple Bldg. Assn., c/o Berenson & Moses, archts., 1026 Main St., having plans prepared 5 story, 65 x 150 ft., brick, concrete and steel, High St. $400,000. Noted Oct. 27.

Conn., Hartford—Orphanage—Hartford Orphan Asylum, 171 Putnam St., having preliminary plans prepared by G. Attenbury, archt., 139 East 53rd St., New York brick, Bloomfield and Albany Aves. $200,000.

Conn., Hartford—Y. W. H. A. 98 High St., having plans prepared by Berenson & Moses, archts., 1026 Main St., 4 story, brick and steel, High St. $150,000. Noted Oct. 27.

Conn., Kent—School—Kent School having plans prepared by E. Q. Sylvester, archt., 8 Beacon St., Boston, for gymnasium, dining hall, and other smaller buildings. $150,000.

Conn., New Britain — Convent, etc. — Sacred Heart of Jesus Church, Gold St. having revised plans prepared by H. F. Ludorf, archt., Mutual Bldg., 3 story, 75 x 180 ft., brick, concrete and steel, North Burritt St. $175,000. Noted May 26.

Conn., New Haven—Hall of Medicine—Yale University plans concrete, brick, stone and steel, Cedar and Broad Sts. $1,320,000. J. R. Angell, pres. Architect not announced.

Conn., Wallingford — Church — Holy Trinity Polish Roman Catholic Church, Main St., plans 1 story, brick and stone, Main St. $150,000. Architect not selected.

Conn., Waterbury—Temple and Office—Masonic Order, 156 West Main St., plans 6 story, brick, West Main St. and Park Pl. $250,000. Architect not selected.

Conn., West Haven (New Haven P. O.)—Theatre and Store—C. C. Spreyer, et al, 167 Campbell Ave., plan 2 story, 90 x 150 ft., brick and concrete, Campbell Ave. $150,000. Architect not selected.

Conn., Winsted — Church — St. James Protestant Episcopal Church, Main St., having plans prepared by Coffin & Coffin, archts., 522 5th Ave., New York, 1 story, 50 x 150 ft., stone, Walnut and Main Sts. $150,000.

N. Y., Baldwin—Schools—Bd. Educ. takes bids about Jan. 26, brick and stone addition also 1 new school. $160,000. Tooker & Marsh, 101 Park Ave., New York, archts. and engrs.

N. Y., Brooklyn—Bank—South Brooklyn Savings Institute, 160 Atlantic Ave., having sketches made by McKenzie, Voorhies & Gmelin, archts. and engr., 1123 Bway., New York, brick, steel and stone, plain foundation, Court St. and Atlantic Ave. $500,000.

N. Y., Corning—Academy—Dept. Pub. Wks., City Hall, soon takes bids brick, steel and stne, plain foundation, 3rd and Pine Sts. $250,000. F. H. Dewey and H. Greenley, 949 Bway., New York, archts. and engrs. Noted Nov. 3.

N. Y., Fulton—High School—Bd. Educ. having plans prepared by W. Potter, archt. and engr., 22 East 17th St., New York, 2 story, brick, steel and stone, plain foundation. $425,000. Noted June 23.

N. Y., Ithaca—Store—Gibb & Waltz, archts. and engrs., Trust Co. Bldg., soon let contract brick, steel and stone, plain foundation, for Treman King & Co., 132 West State St. $250,000.

N. Y., Lyons—High School—Bd. Educ. having revised plans prepared by C. Ade, archt. and engr., 344 East Ave., Rochester, and soon receives bids for Lyons Union High School. $325,000.

N. Y., New York—Hotel—Empire Hotel, Bway. and 63rd St., having plans prepared by Severance & Van Alen, archts. and engrs., 372 Lexington Ave., 10 story, brick and stone addition, Bway., 63rd St. and Columbus Ave.

N. Y., Rochester—Clubhouse—Rochester Council Knights of Columbus had preliminary plans prepared by Gordon & Madden, archts. and C. Eldridge, associated archt., 125 Sibley Blk., 4 story (ultimately 12 story), 170 x 263 ft., rein.-con. and brick, Chestnut and Lawn Sts. $300,000.

N. J., Bayonne—Memorial—Knights of Columbus, Bway. and 3rd St., soon takes bids brick, steel and stone, plain foundation, Ave. C. $150,000. G. McCabe, 96 5th Ave., New York, archt. and engr.

N. J., Elizabeth—Convent—Catholic Sisterhood, c/o R. L. Pryor, archt. and engr.,

Buildings (Continued)

859 Broad St., **Newark**, having plans prepared, brick, steel and stone, plain foundation, here. $400,000.

N. J., **Elizabeth**—High School—Bd. Educ. having plans prepared by C. G. Poggi, archt., 275 Morris Ave., 3 story, 116 x 335 ft., brick, steel and concrete, 1st Ave. $600,000.

Pa., **Altoona**—Store and Office—E. M. Jones, 1115 11th St., plans 3 story, 50 x 100 ft. rein.-con., brick and steel, 11th Ave. $150,000.

Pa., **Harrisburg**—Hotel—J. D. Emanuel, Merchants Hotel, 125 Chestnut St., plans 3 story, 75 x 120 ft. rein.-con., brick and steel, Chestnut St. $150,000.

Pa., **Indiana**—Church—Lutheran Congregation lets contract in spring, 2 story, 120 x 130 ft. stone addition. $150,000. J. C. Fulton & Son, Uniontown, archts.

Pa., **Pittsburgh**—Home—Little Sisters of Poor, c/o P. Wall of Wall Mfg. Co., Preble Ave., having preliminary plans prepared by R. M. Trimble, archt., Ferguson Bldg., home, Benton Ave. $200,000.

Pa., **Pittsburgh**—Nurses' Home—Western Penn Hospital, Friendship Ave., had plans prepared by J. L. Beatty, archt., 146 6th St., 5 and 6 story, 44 x 66 x 43 x 115 x 183 ft. nurses' home, Friendship Ave. $600,000.

Pa., **Rankin**—School—Bd. Educ. receiving competitive sketches for large school.

Pa., **Williamsport**—Bank—First Natl. Bank, 25 West 3rd St., plans 3 story, 50 x 70 ft. rein.-con., brick and stone addition, West 4th St. $150,000.

Md., **Baltimore**—Hospital—Union Protestant Infirmary, Division St., soon receives bids 6 story, brick and stone, Guilford Ave. and 33rd St. $250,000. J. E. Sperry, Calvert Bldg., archt. H. F. Doeleman, 507 North Charles St., engr.

Md., **Baltimore**—Hotel—H. Trumbauer, engr. and archt., Land Title Bldg., Phila., soon lets contract altering brick, steel and stone, for Southern Hotel, Light and Redwood Sts. $200,000.

D. C., **Wash.**—Apartment Hotel—A. E. Walker Co., Southern Bldg., having plans prepared by B. F. Beresford, archt., Southern Bldg., 500 room, on 17th St. and De Salles St., N. W. $2,000,000.

N. C., **Charlotte**—Hospital—City and Mecklenburg Co. plans election in spring to vote on $500,000 bonds for hospital. C. O. Keuster, trustee.

N. C., **Charlotte**—Hotel—J. H. Little, 13 North Poplar, is chn. of building com. which plans to build 14 story hotel, Trade and Poplar Sts. $1,000,000. Architect not selected.

N. C., **Misenheimer**—School—E. Mitchell Mission Home having plans prepared by L. H. Sturges, archt., 527 Bd. of Trade Bldg., Indianapolis, 2 story, 90 x 122 ft., brick and stone. $150,000.

Fla., **Orlando**—Hotel—San Juan Hotel soon receives bids for hotel. $400,000. W. L. Stoddart, 9 East 40th St., New York, engr.

Tenn., **Memphis**—Auditorium and Market House—Opened bids Jan. 3, 2 story, 400 x 400 ft. rein.-con., on Main, Poplar, Front and Exchange Sts., from James Alexander Constr. Co. Memphis, $1,497,000; James Stewart Co., St. Louis, Mo., $1,500,000; Stewart McGee Constr. Co., Little Rock, Ark., $1,600,000. Above bids rejected, will revise plans and readvertise.

Tenn., **Nashville**—Temple—Scottish Rite (Masonic) having preliminary plans prepared by Anmus & Clark, archts., Stahlman Bldg., for temple, 7th and Broad Sts. $500,000.

Ky., **Bowling Green**—School—Bd. Educ. plans 2 story, 90 x 150 ft. brick and stone. $150,000. C. Shopbell & Co., Furniture Bldg., Evansville, Ind., archts.

Ky. **Louisville**—Office—B. Bernheim, Lincoln Bldg., having plans prepared by Joseph & Joseph, archts., Francis Bldg., 2 story, 60 x 140 ft., rein.-con., brick and stone addition, 638-640 South 4th St. $150,000.

O., **Cleveland**—Commercial—J. De Kaiser, Guardian Bldg., plans 2 story, brick, steel and concrete, plain foundation, Detroit and Lakeland Aves. $150,000. Architect not selected.

O., **Cleveland** — Commercial and Apartment—J. Laronge Co., 214 Williamson Bldg., plans 3 story, brick and timber, plain foundation, West 95th St. and Lorain Ave. $150,000. Architect not selected.

O., **Cleveland**—Commercial and Club Room—Jewish Carpenters Society Bldg. Co., c/o W. Goldberg, 2202 East 81st St., had plans prepared by J. H. Graham & Co., archts., 8201 Cedar Ave., 2 story, 77 x 127 ft., brick, plain foundation, East 119th St. and Kinsman Rd. $150,000.

O., **Dayton**—Clubhouse—Dayton City Club, c/o F. B. Patterson, chn. Building Comm., Far Hills and Harmon Sts., plans 3 or 4 story athletic clubhouse. $500,000. Architect not selected.

O., **East Liverpool** — Bank — First Natl. Bank having plans prepared by Mowbray & Uffinger, archts. and engrs., 56 Liberty St., New York, 1 story, 60 x 125 ft., brick, steel and stone. $150,000.

O., **Lorain** — Temple — Mason's Temple Building Co. having preliminary plans prepared by Dunn & Grove, archts., 1019 Schofield Bldg., Cleveland, 4 story, 76 x 130 ft., brick, steel and concrete, plain foundation, Bway. and 8th St. $150,000.

O., **Oakwood** (Dayton P. O.)—School—Bd. Educ. having plans prepared by Schenk & Williams, archts., Mutual Home Bldg., Dayton, 2 story, brick and concrete addition, Dixon and Harmon Sts. $150,000.

O., **Painesville**—High School—Bd. Educ. opens bids about Feb. 10, 2 story, 120 x 150 ft., brick and concrete. $250,000. F. L. Packard, New Hayden Bldg., Columbus, archt. Noted Sept. 29.

O., **Wilmington**—Business and Fraternal—Hilda Aerie, Fraternal Order of Eagles, plans 3 or 4 story, brick and concrete. $150,000. Architect not selected.

Ind., **Bedford**—Hotel—Bedford Hotel Co. plans brick hotel. $200,000. Architect not selected.

Ind., **Brazil**—Church—Presbyterian Congregation plans 2 story, 60 x 90 ft. brick and stone. $150,000. Johnson, Miller & Miller, 30 North 5th St., Terre Haute, archts.

Ind., **Evansville**—Office—Richard Realty Co., Main St., plans 14 story, rein.-con., brick, stone and steel. $700,000.

Ind., **Evansville**—Office and Store—H. E. Bacon, 531 Main St., H. E. Dreier, Hogue Rd., and M. S. Sonntag having plans prepared by C. Shopbell & Co., archts., Furniture Bldg., 10 story, 67 x 144 ft., brick, 6th and Main Sts. $400,000.

Ind., **Evansville** — School — Bd. Educ., High School Bldg., 7th and Vine Sts., having plans prepared by C. Shopbell & Co., archts., 707 Furniture Bldg., 2 story, 68 x 110 ft., brick and steel, Walnut and Chestnut Sts. $150,000.

Ind., **Ft. Wayne** — Administration—Bd. Educ. plans 2 story, brick. $250,000. C. R. Weatherhogg, Citizens Trust Bldg., archt.

Ind., **Ft. Wayne** — Church — Plymouth Congregation, Harrison and Jefferson Sts., having plans prepared by G. Mahurin, archt., 501 Lincoln Life Bldg., 2 story, 150 x 155 ft., brick and stone, Fairfield Ave. and Berry St. $200,000.

Ind., **Ft. Wayne**—Gymnasium, etc.—Bd. Educ. having plans prepared by C. Weatherhogg, archt., Citizens Trust Bldg., 2 story, 80 x 150 ft. gymnasium and shops, brick. $200,000.

Ind., **Ft. Wayne**—Office—Wayne Oil Tank & Pump Co., Anthony Hotel, plans 2 story, 80 x 125 ft., rein.-con. and brick, Coombs St. $150,000. Architect not selected.

Ind., **Ft. Wayne**—School—Bd. Educ. plans 2 story, 80 x 110 ft. brick. $200,000. G. Mahurin, Lincoln Life Bldg., archt.

Ind., **Ft. Wayne** — Store — A. Weil, c/o Weil Bros., 324 East Columbia St., having plans prepared by H. W. Meyer, archt., 615 West Jefferson St., 2 story, 30 x 140 ft. brick. $150,000.

Ind., **Ft. Wayne**—Temple—Masonic Temple Assn. having plans prepared by G. Mahurin, archt., 500 Lincoln Life Bldg., 9 story, 87 x 125 ft., brick, West Berry St. $400,000.

Ind., **French Lick**—Hotel—French Lick Hotel Co., c/o T. Taggart, having plans prepared by D. A. Bohlen & Son, archts., Majestic Bldg., Indianapolis, 7 story, brick and steel. $500,000.

Ind., **Gary**—Apartment and Store—A. L. Popus, 12th and Jefferson Sts., plans brick. $150,000. J. M. LeVee, 673 Bway., archt.

Ind., **Indianapolis**—Apartment—Lumley Bldg. Co., c/o D. Graham, archt., Hume-Mansur Bldg., plans 3 story, 44 x 110 ft. brick, 1540 North Meridian Ave. $150,000.

Ind., **Indianapolis**—Hospital and Training School—Masonic Lodge Assn., c/o H. C. Bickel, 928 Peoples Trust Bldg., plans hospital and nurses training school, brick. $500,000. Architect not selected.

Ind., **Indianapolis** — Office — I. Holmes, 2164 North Capitol Ave., having plans prepared by C. Byfield, archt., 923 Peoples Bank Bldg., 7 story, 60 x 202 ft., rein.-con., brick and stone, Alabama and Market Sts. $250,000.

Ind., **Indianapolis**—School—Bd. Educ. having plans prepared by McGuire & Shook, archts., Ind., Pythian Bldg., 2 story, 80 x 125 ft., brick and terra cotta, East 10th and Wallace Sts. $208,000.

Ind., **Lafayette** — Hospital — Trinity Methodist Episcopal Congregation plans 2 story, brick. $150,000. Architect not selected.

Ind., **Lake Wawasee** — Hotel — Bankers Investment Co., 1014 Merchants Bank Bldg., Indianapolis, plan brick hotel, here. $150,000. Architect not selected.

Ind., **Laporte**—School—St. Peters Catholic Church plans 2 story, 80 x 110 ft., brick. $150,000. G. W. Allen & Co., 721 Main St., archt.

Ind., **Liberty** — School — E. Z. Gainey, trustee, having plans prepared by Honeywell & Parker, archts., 620 State Life Bldg., Indianapolis, 2 story, 87 x 135 ft., brick. $150,000.

Ind., **New Albany**—High School—Bd. Educ. plans 2 story, 90 x 135 ft. brick, Vincennes St. $250,000. Architect not selected.

Ind., **New Carlisle**—Infirmary—Evangelical Assn., 1412 South Carroll St., South Bend, having plans prepared by Freyermuth & Maurer, archts., 654 Farmers Trust Bldg., South Bend, 2 story, 80 x 110 ft., rein.-con., brick and stone. $150,000.

Ind., **Newcastle**—Bank—Farmers Natl. Bank plans 2 story, 40 x 115 ft. brick and stone. $150,000. McGuire & Shook, 329 Ind. Pythian Bldg., Indianapolis, archts.

Ind., **Newcastle**—Hotel—Stock Co., c/o Chamber of Commerce, plans brick hotel. $150,000. Architect not selected.

Ind., **Plymouth**—School—Bd. Educ. having plans prepared by Miller, Fullenwider & Dowling, archts., 6 North Michigan Ave., Chicago, 2 story, 110 x 135 ft., brick. $300,000.

Ind., **South Bend**—Bank and Office—Citizens Natl. Bank having plans prepared by Freyermuth & Maurer, archts., 654 Farmers Trust Bldg., 6 story, 44 x 100 ft., brick, steel and terra cotta. $250,000.

Ind., **South Bend**—Hospital—Comrs. St. Joseph Co. plan brick. $150,000. Freyermuth & Maurer, 308 South Michigan St., archts.

Ind., **South Bend** — Hotel — Oliver Hotel Co., Main and Washington Sts., having revised plans prepared by H. H. Green, archt., 30 North Michigan Ave., Chicago, 7 story, 65 x 125 ft., brick. $600,000. A. O. Weisberg, mgr. M. Hartman, 30 North Michigan Ave., Chicago, engr.

Ind., **Terre Haute**—Office and Store—D. Deming, 511 Wabash Ave., plans 2 story, brick, North 6th St. $150,000. Private plans.

Ind., **Vincennes**—Hotel—Vincennes Hotel Corp. plans brick. $300,000. Nicol, Scholer & Hoffman, Ross Bldg., Lafayette, archts.

Mich., **Detroit**—Apartment—R. Segell, 9 McGraw Bldg., having plans prepared by Scisorek & Malkin, archts., Farwell Bldg., 3 story, brick and steel, plain foundation Charlotte St. $200,000.

Mich., **Detroit**—Gymnasium—University of Detroit, 630 East Jefferson Ave., plans 2 story, 200 x 275 ft. with two 100 x 200 ft. wings, rein.-con., brick and steel, plain foundation, Livernois Ave. and Six Mile Rd. $300,000. J. P. McNichols, pres. Architect name withheld.

Mich., **Pontiac**—Temple—Masonic Temple Assn. having plans prepared by Verner, Wilhelm & Molby, archts., 520 Book Bldg., Detroit, 6 story, 84 x 150 ft. rein.-con., brick and steel, plain foundation. $350,000.

Ill., **Chicago**—Office—Graham, Anderson, Probst & White, archts., 80 East Jackson

Buildings (Continued)

Blvd., soon take bids, 21 story, with 400 ft. tower, 214 x 327 ft., rein.-con., brick and steel, Michigan Ave., Pearson and Chestnut Sts., for Natl. Life Insurance Co., 29 South La Salle St., $7,000,000.

Ill., Chicago — Theatre — Zimmermann, Saxe & Zimmermann, archts., 64 East Van Buren St., preparing plans 1 story, 175 x 200 ft., rein.-con., brick and steel, Blackstone and 55th Sts. $400,000. Owner's name withheld.

Ill., Geneva — High School — Bd. Educ. plans rein.-con., brick, stone and steel. $150,000. C. W. Bailey, secy. Architect not selected.

Ill., Jacksonville—Coliseum—Stock Corp., c/o Chamber of Commerce, plans 1 story, brick and rein.-con. $150,000. Architect not selected.

Ill., Jacksonville—Hotel—Stock Corp., c/o Chamber of Commerce, plans 4 story, brick, steel, rein.-con. and stone. $150,000. Architect not selected.

Ill., Joliet—Armory—Dept. Pub. Wks. and Buildings, Springfield, plans 2 story, brick, steel, rein.-con. and stone, here. $200,000. A. R. Miller, chn. E. D. Martin, 304 South Wabash Ave., Chicago, state archt.

Ill., Kankakee—High School—High School Dist., c/o E. Hoennicke, 1057 Washington Ave., plans 3 story, rein.-con., brick, steel and stone. $500,000. Architect not selected.

Ill., North Chicago—Store, Office and Hall—C. A. Sankiewicz, Sheridan Rd., having plans prepared 3 story, 64 x 120 ft., brick, rein.-con. and stone. $150,000. Private plans.

Ill., Rockford—Exposition—Co-operative Furniture Co., 946 North 2nd St., having plans prepared for exposition building. $450,00. C. J. Lundberg, secy.

Ill., Rockford—Home—Masons having plans prepared by C. W. Bradley, archt., 520 Brown Bldg., for home. $250,000.

Ill., Stockton—School—Bd. Educ. plans 2 story, rein.-con., brick and stone. $150,000. Architect not selected.

Ill., Streator—High School—Community High School Dist., c/o R. C. Osborn, pres., 202 East Main St., having plans prepared by A. L. Pillsbury, archt., Peoples Bank Bldg., Bloomington, rein.-con., brick, steel and stone. $315,000.

Ill., Taylorville—School—Bd. Educ. having plans prepared by J. A. Scribbons, archt., Standard Life Bldg., Decatur, 2 story, rein.-con., brick, steel and stone. $150,000. J. F. Henson, clk. Noted Aug. 18.

Wis., Appleton — Church, etc. — First Methodist Congregation, c/o S. Plantz, 545 Union St., plans brick and stone, plain foundation. Cost between $250,000 and $300,000. Architect not selected.

Wis., Beloit—Club and Office—Knights of Pythias, c/o G. Favour, 1104 Bluff St., plans 10 story, 60 x 128 ft., brick and rein.-con., plain foundation, East Grand Ave. $350,000. Architect not selected.

Wis., Beloit—Store and Apartment—R. T. Morrill, 522-26 East Grand Ave., plans 3 or 4 story, 72 x 115 ft., rein.-con., brick and steel, plain foundation, East Grand Ave. $150,000. Architect not selected.

Wis., Cedar Grove — Exchange—Cedar Grove Telephone Co., plans 60 x 150 ft., rein.-con., brick and steel, plain foundation. $150,000. B. Huenink, pres. Architect not selected.

Wis., Green Bay—Club—Knights of Columbus, c/o W. T. Bee, Bellin Bldg., plans 2 or 4 story, 100 x 120 ft., rein.-con., brick and steel, plain foundation, South Jefferson St. $175,000. Architect not selected.

Wis., Kenosha—Hotel—Kenosha Hotel Corp. having plans prepared by Nicol, Scholer & Hoffman, archts., Ross Bldg., Lafayette, Ind., 9 story, 55 x 110 ft., brick and steel. $400,000.

Wis., Madison—Business—J. M. Boyd, 322 North Baldwin St., plans to rebuild 2 story, 100 x 150 ft. rein.-con., brick and steel, plain foundation, State St., which was recently destroyed by fire. $150,000. Architect not selected.

Wis., Madison—Hotel—Piper Bros. Co., 31 North Pinckney St., having plans prepared by Balch & Lippert, archts., Gay Bldg., 9 story, 100 x 210 ft., rein.-con., brick and steel, plain foundation, Mifflin St. $1,000,000.

Wis., Milwaukee—Bank—Amer. Exch. Bank, Plankinton Arcade, having plans prepared by Kirchoff & Rose, archts. and engrs., 221 Grand Ave., 4 story, 70 x 102 ft., brick, concrete and stone, plain foundation, 2nd St. and Grand Ave. $250,000.

Wis., Milwaukee—Business—Saxe Bros., 160 5th St., and O. Brachman, 425 East Water St., plan 75 x 150 ft., brick and concrete, plain foundation, 7th and Wells Sts. $150,000 to $200,000. Architect not selected.

Wis., New London—School—County Club, Waupaca, plans 2 story, 50 x 150 ft., rein.-con. brick and steel, plain foundation, here. $150,000. Architect not selected.

Wis., Phillips—School—Price Co. having plans prepared by Parkinson & Dockendorff, archts., Linker Bldg., La Crosse, 2 story, 97 x 100 ft. normal training school, brick, rein.-con. and steel. $150,000.

Wis., Sheboygan—High School—Childs & Smith, archts., 64 East Van Buren St., Chicago, completing plans for 2nd unit, 4 story, 60 x 250 ft., brick, and rein.-con., Jefferson St. $250,000.

Wis., Wausau—High School—Bd. Educ., c/o S. B. Tobey, secy., plans 2 story, 50 x 170 ft., rein.-con. and brick, plain foundation. $150,000. Architect not selected.

Minn., Duluth — Apartment-Hotel — J. H. Davidson, 723 Plymouth Bldg., Minneapolis, plans 6 story, rein.-con., brick and tile. $600,000. Private plans.

Minn., Park Rapids—High School—Bd. Educ. plans 3 story, rein.-con., brick, tile and stone. $200,000. R. J. Olinger, clk. Architect not announced.

Wyo., Cheyenne—Store, Office and Apartment—P. Moore, Realty Co., 1614 Capitol Ave., having plans prepared by W. Dubois, archt., Hynds Bldg., 5 story, 66 x 132 ft., brick and steel, concrete foundation, 17th St. and Capitol Ave. $200,000.

Mo., Marshall — Custodial — Missouri Colony for Feeble Minded & Epileptics having plans prepared by S. M. Hitt, archt., 573 Sheidley Bldg., Kansas City, 2 story, 96 x 188 ft., brick, steel, rein.-con. and stone. $150,000.

Okla., Tulsa—Hotel—A. C. Mayo, 5th and Boulder Sts., plans 20 story, 140 x 150 ft., brick, stone and terra cotta, 5th and Cheyenne Sts. $2,000,000. Architect not selected.

Ore., Portland — Apartment Hotel — Sovereign Hotel Co., 206 Concord Bldg., opens bids about Feb. 1, 7 story, 66 x 100 ft., rein.-con., brick and stone, Bway. and Madison St. $300,000. C. L. Linde, Artisans Bldg., archt.

Cal., Burlingame—High School—San Mateo Union High School Dist. having plans prepared by W. H. Weeks, archt., 369 Pine St., San Francisco, several buildings for high school. $480,000.

Cal., Manteca—High School and Gymnasium—Manteca Union High School Dist. had plans prepared by Davis-Heller-Pearce Co., archts., Delta Bldg., Stockton, and soon takes bids, 1 story high school and gymnasium, rein.-con. and brick. $160,000 and $35,000 respectively.

Cal., San Francisco—Apartments—J. L. Stewart, archt., Claus Spreckels Bldg., revising plans and soon takes bids 8 story, rein.-con., Octavia St., $150,000, and 5 story, rein.-con., Francisco and Larkin Sts., $400,000, for T. McDougall, c/o architect.

Cal., San Francisco—Office—W. Fitzhugh, Mills Bldg., having plans prepared by Reid Bros., archts., 105 Montgomery St., 9 story, Post and Powell Sts.

Cal., Santa Barbara — Hotel — Encanto Hotel Co. having plans prepared by M. Hunt, archt., 1107 Hibernian Bldg., Los Angeles, 3 story, Spanish style, T shape, rein.-con., on the Riviera. $300,000.

Cal., Santa Rosa — Lodge — Santa Rosa Lodge of Elks plan 2 story, 120 x 200 ft., rein.-con., on A St. between 4th and 5th Sts. $150,000. Architect not selected.

Cal., Stockton—Schools—City Bd. Educ. soon takes bids, Southeast School, 2 story, concrete and brick, $125,000, F. E. Warner, Belding Bldg., archt.; Northwest School, 2 story, brick and concrete, $125,000. J. Losekann and W. Clowdsley, Elks Bldg., archts.; 1 story, brick and concrete addition to El Dorado School, $40,000, F. V. Mayo, Yosemite Bldg., archt. Davis-Heller & Pearce Co., Delta Bldg., supervising archts. on all of above projects.

Ont., Kitchener—City Hall—Will soon take competitive sketches for city hall, Main St. $250,000. C. Greb, mayor.

Ont., London—Collegiate—Bd. Educ., Dundas St., having plans prepared by L. E. Carrothers, archt., c/o Bd. Educ., 2 story, 16 room, brick and stone, South London. $250,000.

Ont., London—School—Bd. Educ. having plans prepared by Watt & Blackwell, archts., Bank of Toronto Bldg., rein.-con. addition to Technical School, Dundas St. $150,000.

BIDS DESIRED

Conn., Hartford—Store and Auditorium —M. M. Kupperstein, 26 State St., receiving bids 2½ story, 80 x 110 ft., concrete, brick and steel, plain foundation, Capitol Ave. $150,000. Berenson & Moses, 102½ Main St., archts. Noted Dec. 29.

N. Y., Brooklyn—Apartment—Cohen & Duberstein, c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., New York, 6 story, brick, steel and stone, plain foundation, 247 South 3rd St. $150,000. Work will be done by separate contracts.

N. Y., New York—Apartment—P. J. Dwyer, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., 6 story, brick, steel and stone, plain foundation, Grand Ave. and Fordham Rd. $200,000. Work will be done by separate contracts.

N. J., Atlantic City—Hotel—R. S. DeGolyer, archt., 7 South Dearborn St., Chicago, taking bids 12 story, 335 x 350 ft., fireproof construction, Albany Ave., here, for W. G. Souders & Co., 208 South La Salle St. Chicago. **$5,000,000.**

N. J., Elizabeth—High School—Jan. 26, by Bd. Educ., South Broad St., for Junior High School, Loomis St., 1st and 2nd Aves. C. G. Poggi, 275 Morris Ave., archt.; adv. this issue.

N. J., Little Falls—School—Jan. 26, by Bd. Educ., School 1, Ridge Ave. and Park St., for School 2, Longhill Rd. W. T. Manning, 309 Colt Bldg., Paterson, archt.; adv. this issue.

Pa., Pittsburgh—Church and Parsonage —John Wesley African Methodist Episcopal Church, 40 Arthur St., 1 story, 60 x 120 ft. church and 2 story, 25 x 40 ft. parsonage, Centre Ave. and Frances St. $250,000. Owner build by separate contracts. Estep & Estep, Century Bldg., archts.

Md., Baltimore—Theatre—Metropolitan Theatre Co., Maryland Casualty Bldg., receiving bids 2 and 3 story, 85 x 185 ft., North and Pennsylvania Aves. $250,000. O. G. Simonson, Maryland Casualty Tower, archt.

Tenn., Nashville—Asylum, etc.—Feb. 1, by State of Tennessee, L. W. Pope, dir. of administration, 2 story asylum, incl. dormitory, superintendent and employees home, heating and water plant, at Home for Feeble Minded, near here. $250,000. Marr & Holman, 701 Stahlman Bldg., archts.

O., Cleveland — Apartment — Johnnes-Shendroff, 3265 East 116th St., taking bids 2 story, 34 x 174 ft., brick, plain foundation, 1136 Lakeview Rd. $150,000. M. Altschuld, 22 Stone Bldg., archt.

O., Cleveland — Clubhouse — Jan. 15, by Durcum & Beer, archts., 4500 Euclid Ave., 2 story, 54 x 200 ft., brick, steel and concrete, plain foundation, South Woodland Rd., for Canterbury Club, c/o architect. $200,000.

O., Cleveland—Commercial—J. Babin, 827 Superior Ave., taking bids 2 story, 75 x 220 ft., brick and steel, plain foundation, East 97th St. and Euclid Ave. $150,000. N. Petti, Williamson Bldg., archt. Noted June 30.

O., Port Clinton—High School—Thayer & Johnson, archts., 5716 Euclid Ave., Cleveland, taking bids 2 story, 120 x 125 ft., here, for Bd. Educ. $150,000. Noted Sept. 29.

Ind., Butler—School, Etc.—Jan. 15, by Bd. Educ., 2 story, 95 x 120 ft., school and power plant, rein.-con., brick and steel. $150,000. A. H. Ellwood & Sons, Haynes Bldg., Elkhart, archt.

Ind., Butler—School—Feb. 2, by Bd. Educ., 2 story, 57 x 125 ft., brick. $150,000. Former bids rejected. A. H. Ellwood & Son, Haynes Bldg., Elkhart, archts. Noted Dec. 22.

Ind., Ft. Wayne—Store—W. O. Quimby, c/o A. M. Strauss, archt., 705 Shoaff Bldg., receiving bids 2 story, 40 x 150 ft., concrete, brick and steel, Washington St. $150,000.

Ind., Frankfort—Hospital—Feb. 8, by Bd. Trustees Memorial Hospital, 3 story, 80 x 120 ft. brick and stone. $150,000. R. Leonard, Peoples Life Bldg., archt. Noted Dec. 22.

Ind., Lafayette—School—W. K. Eberhardt, trustee, receiving bids 2 story, 78 x 145 ft., concrete and brick. $150,000. Kashner & Gault, 12 Wallace Blk., archts.

Ind., Muncie—Club—Jan. 15, by B. P. O. E., 2 story, 66 x 119 ft., brick and stone, West Main St. $200,000. M. H. Broaderick, chn. building com. Houck & Smenner, 123½ West Main St., archts.

Ind., South Bend—Church—Sunnyside Presbyterian Congregation, 718 East Colfax St., receiving bids 2 story, 65 x 90 ft.,

Buildings (Continued)

brick and stone. $150,000. M. M. Rodgers, pastor. Austin & Shambleau 111 North Lafayette St., archts. Noted Dec. 29.

Mich., **Dansville**—School—Jan. 25, by W. C. Keane, secy. Bd. Educ. Ingham Twp., City Hall, 2 story, 80 x 122 ft. concrete, brick and steel, plain foundation. $150,000. W. S. Holmes Co., Tussing Bldg., Lansing, archts.

Ill., **Chicago**—Apartment—R. S. De Golyer, archt., 7 South Dearborn St., receiving bids 8 story, 125 x 150 ft., rein.-con., brick and steel, Lakeview Ave. and Deming Pl., for W. G. Souders, 208 South La Salle St. $700,000. Noted Nov. 3.

Ill., **Chicago**—Apartment—M. Perlman, 3620 Lexington St., receiving bids 3 story, 100 x 175 ft., rein.-con., brick and steel, Douglas and Lawndale Aves. $150,000. A. L. Himelblau, 179 West Washington St., archt.

Ill., **Chicago**—Apartment Hotel—H. J. Schlacks, archt., 721 North Michigan Blvd., receiving bids 6 story, 95 x 219 ft., rein.-con. brick, and steel, on De Witt Court, between Chestnut St. and Delaware Pl., $900,000. Owner's name withheld. Noted Jan. 13.

Ill. **Chicago**—Lodge—P. Gerhardt, archt., 64 West Randolph St., receiving bids 3 story, rein.-con., brick and steel, 5233 West Madison St., for Garfield Park Aerie 1113, 5215 West Madison St. $350,000.

Ill., **Chicago**—Office—P. Gerhardt, archt., 64 West Randolph St., receiving bids 10 story, 90 x 104 ft., rein.-con., brick and steel, Milwaukee and North Ave., $500,000. Owners name withheld. Former bids rejected. Noted Sept. 15.

Ill., **Chicago**—Office—C. W. Lampe, archt., 155 North Clark St., receiving bids 7 story, 72 x 130 ft., rein.-con., brick and steel, 1309-1415 South Michigan Ave., for Fenske Bros., c/o architect. $250,000.

Ill., **Chicago**—Synagogue—Newhouse & Bernham, archts., 4630 South Prairie Ave., receiving bids 2 story, 125 x 200 ft., rein.-con., brick and steel, Drexel Blvd. and 50th St., for Kehilath Amnshe Mayriv congregation, c/o architects. $800,000. Noted Nov. 10.

Ill., **Oak Park**—Apartment—H. J. Kusel, c/o Strongheart Mfg. Co., 1516 South Wabash Ave., receiving bids 3 story, 141 x 200 ft., rein.-con., brick and steel, Washington Blvd. $300,000. T. R. Bishop, 35 South Dearborn St., Chicago, archt. Noted Jan. 5.

Wis., Beaver Dam—School—Jan. 26, by St. Peters Catholic Congregation and F. L. Kroenberg, archt., Carroll Blk., Madison, 2 story, 130 x 140 ft., brick and tile, plain foundation. $125,000 to $150,000.

Wis. Shorewood (Milwaukee P. O.)—School—Jan. 23, by Dist. 4, 2 story school addition and heating plant, brick and concrete, plain foundation, Atwater Rd. $230,000. R. Messmer & Bros., 221 Grand Ave., Milwaukee, archts.

Mont., Bozeman—Engineering, etc.—Jan. 21, by State Bd. Examiners, Helena, 4 story, 77 x 198 ft. engineering building, $225,000 and 1 story, 119 x 182 ft. engineering shop, $100,000, both brick, concrete and steel, at College of Agriculture and Mechanical Arts, here. F. W. Wilson, Owenhouse Bldg., archt. Noted Oct. 20.

Mont., Missoula—Forestry, etc.—Jan. 21, by State Bd. Examiners Helena, 3 story, 56 x 130 ft., forestry building (except foundation), $100,000. O. Bakke, Gibson Bldg., archt.; gymnasium, $225,000. G. Carsley, Power Bldg., Helena, archt. Both at State University, here. Noted Oct. 20.

Mo., **St. Louis**—Church and Sunday School—Jan. 26, by A. Meyer, archt., Central Natl. Bank Bldg., 1 story, 48 x 109 and 53 x 60 ft., brick, steel and terra cotta, Grand and Lee Aves., for St. Johns Evangelical Church, 414 North 4th St. $150,000. Noted May 5.

Mo., **Union**—Court House and Jail—Jan. 18 by N. B. Howard, archt., Arcade Bldg., St. Louis, 3 story, 90 x 90 ft., rein.-con., brick and stone, for Franklin Co. Court, c/o H. H. Meyer, pres. $150,000. Noted Dec. 1.

Cal., **Campbell** — School — Jan. 25, by Trustees of Campbell-San Tomas Union Grammar School Dist., rein.-con. school buildings. $200,000. W. H. Weeks, 369 Pine St., San Francisco, archt. Noted Jan. 5.

Cal., **Oakland**—Office—C. W. Dickey, archt., 357 12th St., receiving bids 8 story, 70 x 100 ft., 17th and Clay Sts., here, for Pacific Gas & Electric Co., 445 Sutter St., San Francisco. $350,000.

Ont., London — Theatorium, Etc. — Feb. 18, by A. D. Jordan, of Musical Arts Society, 546 Dundas St., brick and stone theatorium, also brick addition to music conservatory, Dundas St. $150,000. L. G. Bridgeman, Bank of Commerce Bldg., archt.

BIDS RECEIVED

O., Columbus—Divinity Hall—O. Meese, pres. Capitol University, East Main St., opened bids Jan. 6, 3 story, 50 x 300 ft., brick and concrete, from C. W. Schneider & Son, Essex and 11th Sts. Noted Dec. 29.

CONTRACTS AWARDED

Conn., New Haven — Hospital — New Haven Hospital, 330 Cedar St., 4 story, 46 x 125 ft., rein.-con., brick and steel, Davenport Ave., to Connor & Haggerty, Inc., 902 Chapel St., $400,000. Noted Nov. 10.

N. Y., New York—Loft—Kaufwein Realty Co., 147 4th Ave., 4 story, 50 x 100 ft., brick, steel and stone, plain foundation, 470 7th Ave., by day labor. $325,000. C. B. Myers, 31 Union Sq., archt. and engr.

N. Y., Thiells—Cottages—M. B. Patterson, pres. Bd. Mgrs. Letchworth Village, 7 Wall St., New York, 8 cottages (Q. R. S. T. U. V, W and X) and dining room, Girls Group, Letchworth Village, here, general contract, to Fitzpatrick & MacArthur, Proctor Bldg., Yonkers, $129,921; heating work, to E. W. Tompkins Co., 27 Grand St., Albany, $23,985; sanitary work, to C. H. Damstadt, 352 West 43rd St., New York, $21,310. Noted Nov. 17.

Pa., Harrisburg—School—For 2 story, 80 x 200 ft., Division St., general contract to S. W. Shoemaker & Son, 1545 North 6th St., $208,630; heating and ventilating to E. J. Fogarty, 1121 North Front St., $29,300. Noted Dec. 22.

Pa., Phila.—Hospital—Presbyterian Hospital, 5 story, 80 x 201 ft. rein.-con., brick and steel, plain foundation, Powelton and Saunders Aves., to Wark Co., 231 South Broad St., $400,000.

Pa., Pittsburgh—High School—Bd. Educ. 2 story, 87 x 303 ft., Robina and Chartiers Aves., general contract to S. M. Siesel, 105 Wells St., Milwaukee, Wis., $543,192; heating and ventilating to R. T. Withers Sons, New Castle, $41,117; plumbing to L. B. Buerkle, 1103 Pennsylvania Ave., $27,017. Noted Dec. 15.

Md., Baltimore — Hospital — Johns Hopkins Hospital, Wolfe and Monument Sts., 6 story, brick, terra cotta and stone addition, and 8 story, 112 x 122 ft., brick and stone pathological building, Wolfe and Monument Sts., to J. H. Miller, Inc., Eutaw and Franklin Sts. $386,420 and $339,395 respectively. Noted Dec. 15.

Md., Baltimore—Hospital—Church Home and Infirmary, Bway., 6 story, 86 x 125 ft., brick, tile and concrete, Bway. and Fairmount Ave., to Frainie Bros. & Haigley, 18 Clay St., $271,000. Noted Dec. 1.

W. Va., Logan—Hospital—Greater Huntington Hospital Assn., c/o S. B. Lawson, Logan, 5 story, 40 x 130 ft., superstructure to V. E. Taylor, 538 Adams St., Huntington, $80,000; substructure to Ward & Ward, Ashland, Ky. Total $150,000.

Ky., Frankfort — Hotel — New Capitol Hotel Co., 4 story, 100 x 150 ft., brick and concrete, to Parks & Co., Dodds Ave., Chattanooga, Tenn., $200,000. Noted Dec. 29.

Ky., Lexington—Theatre and Office—Lafayette Amusement Co., Louisville, 3 story, 65 x 200 ft., rein.-con., brick and stone, East Main St., here, to Platoff & Bush, 120 West Liberty St., Louisville, $250,000. Noted Dec. 1.

O., Columbus—Bank—Mills & Millspaugh, archts., 67 East Long St., 2 story, 62½ x 121 ft., East Long St., for Commercial Natl. Bank, Long and High Sts.; brick work, to O. Kibele 1932 Summit St., concrete work, to Waters & Fremas, Columbus. Total $300,000. Noted Dec. 8.

O., Columbus—School—E. McCune, clk. Bd. Educ., Town and High Sts., Clintonville School, 2 story, 110 x 190 ft., brick and concrete, North High St., to E. E. Beckett, 265 Oakland Park Ave., Columbus, $131,495. Noted Jan. 5.

O., Dayton—School—Bd. Educ. general contract, 2 story, rein.-con. and brick addition, Huffman St., to H. R. Blagg Co., 1229 East 3rd St., $156,980. Noted Dec. 22.

Ind., Clinton—Hospital—Vermillion Co., 2 story, 135 x 180 ft., brick, rein.-con. and steel, to N. P. Severin Co., 82 West Washington St., Chicago, $175,000. Noted Dec. 8.

Ind., Evansville — Apartment — G. W. Worth Co., Robinson Bldg., Champaign, Ill., 3 story, 85 x 135 ft. brick, South 1st St., to North-Raffin Constr. Co., 914 Chestnut St., Terre Haute, $180,000. Noted Dec. 15.

Ind., Evansville — Church — St. Johns Church, 2 story, 55 x 150 ft. brick and stone, 3rd and Ingle Sts., to M. J. Hoffman Constr. Co., Furniture Bldg., $150,000. Noted Dec. 29.

Ind., Ft. Wayne—Hospital—Allen Co., 3 story, 55 x 90 ft., brick, to Indiana Eng. and Constr. Co., 201-3 Central Bldg., $150,000. Noted Dec. 15.

Ind., Frankfort — High School — Bd. Educ., 2 story, 100 x 160 ft. rein.-con., brick and tile, to A. McKinsey, 309 South Jackson St., $150,000; 2 story, 81 x 156 ft. brick and steel, to J. Paden, 502 East Walnut St., $160,000. Noted Dec. 29.

Ind., Indianapolis—Church—First United Brethren Church, W. R. Mommer, chn. building com., c/o Delco Light Products Co., 60 West New York St., 2 story, 55 x 95 ft. brick and stone, Walnut and Park Sts., to J. J. McEowen, 2018 Brookside Ave., $150,000. Noted Dec. 29.

Ind., Indianapolis — Temple — Irvington Lodge 666, 204 Hume-Mansur Bldg., 3 story, 100 x 100 ft. brick and terra cotta, Johnson Ave. and East Washington St., to J. E. McGaughey, 3717 East Washington St., $150,000, cost plus percentage basis. Noted Dec. 29.

Ind., Lafayette — Hospital — State Soldiers Home, 1114 State St., 2 story, 81 x 147 ft. rein.-con. and brick, to Ainsworth & Son Constr. Co., 641 Ohio St., Terre Haute, $175,000.

Ind., Montpelier—School—City Bd. Educ. and O. Bebout, trustee of Harrison Twp., 2 story, 91 x 144 ft. brick, to L. W. Kimmel, Poneto, $150,000.

Ind., Sharpsville—School—C. A. Rose, trustee 2 story, 80 x 120 ft. brick, to M. M. Winship, Rushville, $150,000.

Ind., South Bend—Hotel and Store—LaSalle Hotel Realty Co., 415 Union Trust Bldg., 8 story, 66 x 165 ft., to Bedford Stone & Constr. Co., 810 Fletcher Savings and Trust Bldg., Indianapolis. $850,000.

Ind., Terre Haute—Hospital—Union Hospital, North 7th St., 6 story, 121 x 140 ft., rein.-con. and brick, North 7th St., to North Raffin Constr. Co., 914 Chestnut St., $337,000.

Mich., Detroit—Clubhouse—Detroit Yacht Club, Belle Isle, 3 story, 80 x 350 ft. rein.-con., brick and steel, wood pile foundation, Belle Isle, to A. A. Albrecht Co., 1130 Penobscot Bldg., $500,000. Noted Oct. 20.

Mich., Detroit—Office—Columbia Realty Co., 15 story, 93 x 160 ft. rein.-con., brick and steel, to M. Harrison and L. A. Turnock, 500 Bd. Trade Bldg., Indianapolis, Ind. $1,650,000. Noted Dec. 22.

Ill., Chicago—Office—Continental Insurance Co., c/o H. Evans, pres., 332 South La Salle St., 12 story, 160 x 225 ft., brick and steel, to Leonard Constr. Co., engrs. and builders, 37 South Wabash Ave., $2,500,000.

Ill., Chicago—Theatre, Store and Office—Newhouse & Bernham, archts., 4630 Prairie Ave., 3 story, rein.-con., brick and steel, 1620 Howard St., to Arcole Constr. Co., 53 West Jackson Blvd., for C. W. Ferguson, c/o architects. $200,000. Noted Dec. 8.

Wis., Kenosha—Theatre and Office—Wisconsin Theatre Co., 228 Milwaukee Ave., 3 story, 80 x 150 ft., brick, steel and concrete, to J. A. Lundstrum, 1401 Balmoral Ave., Chicago, $250,000. Noted Oct. 20.

Wis., Madison—Church—First Evangelical Congregation, 220 East Mifflin St., 2 story, 60 x 150 ft., brick, rein.-con. and steel, Mifflin St., to A. D. and J. Frederickson, 702 East Main St., $150,000. Noted June 2.

Wis., Madison—Store—A. A. Kelly, 2 story, 80 x 140 ft., rein.-con., brick and steel, plain foundation, University Ave., to W. A. Kelly, 157 Brittingham Ave. $150,000. Noted Dec. 22.

Wis., Milwaukee — Temple — Temple Emanu-El, 554 Bway., 1 and 2 story, 100 x 240 ft. concrete, brick and stone, plain foundation, Kenwood Blvd., to W. W. Oeflein, 86 Michigan Ave., $360,000. Noted Dec. 1.

Minn., Minneapolis — High School — Bd. Educ., Lincoln Junior High School, 3 story, 218 x 230 ft., rein.-con., brick, tile and stone, Penn and 10th Aves., N., to Fleisher Constr. Co., 608 Builders Exch. Bldg., general contract $305,000, repairing old building $3,400. Noted Jan. 5.

Minn., St. Paul — Office, Etc. — R. C. Cobb Co., 2 East 3rd St., 5 story, 74 x 80 x

Buildings (Continued)

132 ft., rein.-con., brick, stone and tile, 3rd and Wabasha St., to H. C. Struchen, 405 Dakota Bldg. $150,000; cost plus percentage basis. Noted Dec. 1.

Minn., St. Paul—School—Dept. Educ., general contract 4 story, 73 x 125 ft., rein.-con., brick, tile and stone, 14th St. near Jackson St., to Gauger-Korsmo Constr. Co., 301 Endicott Bldg., $169,882. Noted Dec. 22.

Mo., St. Louis — Bank — A. B. Groves, archt., Stock Exch. Bldg., 94 x 112 ft., brick, stone and steel, Jefferson and Franklin Sts., to Dickie Constr. Co., Syndicate Trust Bldg., for Jefferson Bank. $150,000. Noted Dec. 29.

Tex., Dallas—Hospital—City and Dallas Co., three 3 story, 30 x 130 ft., brick, rein.-con. and terra cotta wings, Oak Lawn St. and Maple Ave., to Central Contg. Co., 408 Slaughter Bldg., $198,700. Noted Dec. 15.

Ore., Portland — Apartment — Apartment Investment Co. general contract 4 story, 100 x 200 ft., rein.-con., Davis St. between 18th and 19th Sts., to Dougan & Chrisman, Ry. Exch. Bldg., $200,000; plus percentage basis.

Ore., Portland—Lodge—B. P. O. E., Bway. and Stark St., general contract 5 story, 100 x 150 ft., steel, terra cotta and marble, 11th St. between Alder St. and Morris Ave., to Dougan & Chrisman, Ry. Exch. Bldg., $949,500.

Cal., Lancaster—School—Antelope Valley High School Dist., two 2 story, rein.-con. additions, to Wopschall Bros., 360 South Raymond St., Pasadena, $183,001. Noted July 14.

Cal., Los Angeles—Bank and Office—Bank of Italy, 7th St. and Bway., 12 story, 113 x 115 ft., brick, steel and terra cotta, 7th and Olive Sts., to Lange & Bergstrom, Washington Bldg., $1,500,000; cost plus percentage basis.

Cal., Los Angeles—Store and Office—Brock & Co., Bway. near 4th St., 4 story, 40 x 115 ft., rein.-con., marble and tile, 7th St. near Olive St., to Scoffield Eng. Co., Pacific Finance Bldg., $150,000; cost plus percentage basis.

Cal., Petaluma—High School—Bd. Educ., 2 story, rein.-con. and brick, to Ward & Jones, 180 Jessie St., San Francisco, $178,890. Noted Dec. 8.

Federal Government Work

PROPOSED WORK

Mass., Boston — Remodeling Hospital — Treas. Dept., Wash., D. C., soon takes bids converting U. S. Marine Hospital, here, into U. S. Pub. Health Serv. Hospital. J. A. Wetmore, acting superv. archt.

Ala., Tuskegee—Hospital—Treas. Dept., Wash., D. C., plans U. S. Pub. Health Serv. Hospital, complete incl. mechanical equipment, here.

BIDS DESIRED

D. C., Wash.—Sewage Ejectors—Jan. 17, by Constr. Quartermaster, Room 2342, Munitions Bldg., removing existing sewage ejectors and installing new ones, at barracks, here; adv. this issue.

N. C., Oteen—Construction and Mechanical Equipment—Feb. 6. Treas. Dept., Wash., D. C., construction and mechanical equipment, at U. S. Pub. Health Serv. Hospital, here, J. A. Wetmore, acting superv. archt.; adv. this issue.

BIDS RECEIVED

D. C., Bellevue—Power Plant Equipment—Spec. 4497—Bureau Yards & Docks, Navy Dept., Wash., power plant equipment at naval experimental and research laboratory, here, (1) work complete, from Lord Constr. Co., 105 West 40th St., New York, (1) $84,385 without coal crushers; J. R. Proctor, Inc., 120 Liberty St., New York, (1) $87,377 (150 days), (3) $87,739, (4) $88,377, (5) $85,167; W. G. Cornell Co., 19 Paterson St., N. E., Wash., (1) $89,200, (4) $1,164, (5) $1,290. Noted Dec. 29.

Cal., San Diego—Lighting System—Spec. 4526—Bureau Yards & Docks, Navy Dept., Wash., D. C., street lighting system, here, from G. E. Eng. Co., 449 West 42nd St., New York, $5,570 (90 days); Globe Electric Wks., 1959 Mission St., San Francisco, $6,280 (90 days); Newburn Electrical Corp., 724 Olive St., Los Angeles, $6,898 (90 days). Noted Dec. 15.

CONTRACTS AWARDED

N. Y., South Brooklyn (Brooklyn P. O.)—Dredging—Spec. 4560—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at naval supply depot, here, to Morris & Cummings Dredging Co., 17 State St., New York, $0.31 per cu.yd. scow measurement (30 days). Noted Jan. 5.

Md., Annapolis—Deferrization Plant—Spec. 4539—Bureau Yards & Docks, Navy Dept., Wash., D. C., deferrization plant, here, to S. R. Curtis, Leehall, Va., $57,000. Noted Jan. 5.

Cal., San Diego—Gas, Water, etc.—Spec. 4559—Bureau Yards & Docks, Navy Dept., Wash., D. C., gas, water, sewer and electrical distribution systems, at Naval Base Hospital Reservation, here, to G. E. Eng. Co., 449 West 42nd St., New York, $52,400 (120 days). Noted Jan. 5.

FEDERAL POWER COMMISSION

Applications for licenses and permits.

Applications

268.—Oskaloosa, Ia.—City wants permit for dam and power house in Des Moines River, near Harvey.

269—Wrangell, Alaska—City wants to develop 1,000 hp. on Mill Creek, and transmit same 8 mi. to here.

Miscellaneous

PROPOSED WORK

Automobile Parking—Rochester, N. Y.—Plans removing present old buildings along South Ave., widening present street from 60 ft. to 80 ft. and constructing suitable place for automobile parking. $100,000. C. A. Poole, City Hall, engr.

Ferry and Wharf—Phila., Pa.—Tacony Ferry Co., Liberty Bldg., having plans prepared by J. Meigs, engr., 1211 Walnut St., 2 story ferry building and wharf, Larners Point. $100,000.

Field Houses—Dayton, O.—Plans field houses, concrete and brick, for McKinley and Linden Parks, containing gymnasium, classrooms, lockers and swimming pool. $60,000. E. V. Stoecklein, welfare dir.

Stadium—Detroit, Mich.—University of Detroit, 630 East Jefferson Ave., having plans prepared rein.-con. stadium, main section to be 500 ft. long with 2 wings each 500 ft. long, 70,000 seating capacity. First unit to be built to have 30,000 seating capacity. $250,000. Engineers name withheld.

Grain Elevator—Springfield, Ill.—J. Schafer Mill & Elevator Co., 15th and Ridgely St., plans rein.-con. grain elevator. $30,000. Architect not selected.

Docks — Milwaukee, Wis. — Plans new docks along Milwaukee River from Racine to Jefferson Sts., concrete capped piles. $245,000. G. Staal, City Hall, engr.

Parks and Playgrounds—Milwaukee, Wis.—Election in spring to vote on $250,000 bonds for additional parks and playgrounds and improvements to present parks. G. Staal, city engr.

Street Lighting—Milwaukee, Wis.—Election in spring to vote on $200,000 bonds for extensions to street lighting system. G. Staal, city engr.

Electric Light System—Hamilton, Kan.—See "Waterworks."

Transit Shed, etc.—Tacoma, Wash.—Port of Tacoma having revised plans prepared and takes bids about March 1, for 180 x 1,040 ft. concrete and tile transit shed, on Pier 2. $600,000. Noted Dec. 15.

Steel—Modesto, Cal.—Dir. Turlock and Modesto Irrifation Dists., rejected bids received Dec. 23, for reinforcing steel bars. Noted Jan. 5.

Wharf Pier — Sacramento, Cal. — Voted $148,000 bonds for 2 story, 460 ft. wharf pier, rein.-con. columns on pile foundation, and $52,000 bonds for reconstructing 288 ft. of M St. wharf. A. Givan, city engr.

Electric Lighting System—Conestogo, Ont.—City Council plans electric lighting system. $25,000. H. W. Elber, chn. com.

Quarry — Port Dover, Ont. — Woodhouse Crushed Stone Co. plans to develop quarry near here. $50,000. B. W. Ball, pres. Prices wanted on equipment.

Electric Lighting and Power System—Walkerton, Ont.—Plans electric lighting and power distribution system. $40,000. G. D. McKay, mayor.

BIDS DESIRED

Asphaltic Wearing Surface Sand—New York, N. Y.—Jan. 18, by J. Miller, pres. Manhattan Boro, Municipal Bldg., furnishing and delivering 10,000 cu.yd. asphaltic wearing surface sand, 600 ton asphaltic paving cement, 15,000 bags Portland cement, 2,000 cu.yd. coarse aggregate for concrete, 4,000 cu.yd. binder stone, 3,000 cu.yd. paving sand, 30,000 gal. gasoline, 300,000 gal. refined asphalt, 2,000 ton inorganic dust and 300,000 wood paving blocks.

Electric Wiring, etc.—Binghamton, N. Y.—Jan. 25, by State Hospital Comn., Albany, for renewal and extension of electric wiring and installation of equipment, at Binghamton State Hospital, here. L. F. Pilcher, Albany, state archt.; adv. this issue.

Laundry Equipment—Kings Park, N. Y.—Jan. 25, by State Hospital Comn., Albany, additional laundry equipment and connections, at Kings Park State Hospital, here. L. F. Pilcher, state archt.; adv. this issue.

Gravel—Ruston, La.—Jan. 19, by Police Jury Lincoln Parish, 20,000 cu.yd. sand clay gravel, containing not less than 60 per cent stone.

Contractors Equipment—Cincinnati, O.—Norton-Bway. Mchy. Co., 238 Bway., is in market for contractors equipment, hoisting engines and shovels, etc.

Portland Cement—Milwaukee, Wis.—See "Sewers."

Generator Units—Woodward, Okla.—Jan 23, by J. D. Berry, city clk., 2 semi or full Diesel type oil engine generating units. Black & Veatch, 701 Mutual Bldg., Kansas City, Mo., engrs.; adv. this issue.

BIDS RECEIVED

Station Finish—New York, N. Y.—Transit Comn., 149 Lafayette St., opened bids Jan. 6, station finish for 4 stations at 14th St.-Eastern Rapid Transit R.R., from J. S. Brown, 7 East 42nd St., $290,000; A. W. King & Co., 81 East 125th St., $296,040; J. Schlesinger, Inc., 259 West 30th St., $298,626. Noted Dec. 22.

Wharf Cranes—Rochester, N. Y.—C. L. Cadle, supt. Pub. Wks., Albany, opened bids Jan. 4, two 2 ton, electric overhead wharf cranes, here, from McMyler-Interstate Co., Bedford, O., $16,230; Heyl & Patterson, Inc., 90 West St., New York, $17,000; Wellman-Seaver-Morgan Co., 7000 Central Ave., S. E., Cleveland, $17,280. Noted Dec. 8.

Railway Material—San Francisco Cal.—Bd. Pub. Wks. opened bids Jan. 4, for railway materials, Contr. 127, from Payne Belt Wks., Howard and Main Sts., 3,000 tie rods, ¾ in. x 5 ft. 3 in., $0.38; Eccles & Smith, 71 1st St., 200 kegs spikes ⅝ in. x 5½ in., $3.53 per 100 lb., 30,000 tie plates, $0.185 each; U. S. Steel Products Co., Rialto Bldg., steel rail Sect. L-206-422, $61 a ton Sect. L-129-461, $78, standard joint plates without bolts and nuts for Sec. L-106-422, $3.60 per 100 lb., compromise joint plates with bolts and nuts for connecting rail, Sect. 70, either right or left hand, $28 a pair, Sect. Lorain 81-378, $25, Sect. Penn 85-201, Sect. Penn. 107-254, Sect. Lorain 109-340, $11.25, bolts 1 in. in diam. 4½ in. long, Sect. Lorain 106-422, $4.80 per 100 lb., bolts 1 in. in diam., 4½ in. long, manufacturers specifications, $4.31, brace tie plates Sect. L-129-461, $0.45 each, 200 kegs ⅞ x 5½ in. spikes, $3.25 per 100 lb., 30,000 tie plates, $0.17 each, 3,000 tie rods ¾ in. x 5½ in., $0.47 each. Noted Dec. 15.

CONTRACTS AWARDED

Culvert—Schenectady, N. Y.—Bd. Contract & Supply College Creek culvert through Seward Pl., to E. B. Edgar, 115 Mohawk St., $26,271.

Dike and Levee—Columbus, O.—Bd. Trustees Ohio State University will build dike and levee, 1 mi. long, 12-16 ft. high, along Olentangy River, by day labor. $250,000. Kinnear & Miller, Stoneman Bldg., engrs.

Dock — Detroit, Mich. — Detroit Yacht Club, Belle Isle, rein.-con. dock resting on wood pile foundations, filling in space to form island in Detroit River, and erecting temporary bridge from shore of Belle Isle to new site, to Candler Dock & Dredge Co., 2680 East Atwater St. Cost to exceed $25,000.

Freight Terminals—Denison, Tex.—Missouri, Kansas & Texas Ry., Railway Bldg., St. Louis, Mo., freight terminal incl. switching yards, round house, shop, warehouse, store room and other buildings, here, to C. R. Cummins Co., Cleveland, O., $3,000,000. Noted Dec. 29.

Cement—Modesto, Cal.—Dir. of Turlock and Modesto Irrigation Dists. 100,000 bbl. cement to Old Mission Portland Cement Co., Mills Bldg., San Francisco, $3.38 per bbl. f.o.b. Don Pedro, $2.19 per bbl. f.o.b. factory, San Juan. Noted Jan. 5.

Electroliers—Redwood City, Cal.—Installing 53 electroliers, to H. C. Reid & Co., 115 Mission St., San Francisco, $14,848. Noted Dec. 15.